

1965 PHOTOGRAPHY 1966 DIRECTORY

AND BUYING GUIDE



LENSES:

ROTHSCHILD'S LENS LISTING, page 2 C; **LENS GUIDE FOR 35-mm and 2 1/4" CAMERAS**: 9.8-mm to 21-mm Extreme Wide-Angle, page 2 C; 24-mm to 30-mm Extra-Wide-Angle, page 3 C; 35-mm to 40-mm Wide-Angle, page 4 C; 45-mm to 65-mm Normal, page 6 C; 70-mm to 125-mm Medium Long, page 8 C; 135-mm to 210-mm Long, page 10 C; 230-mm to 450-mm Extra Long, page 15 C; 500-mm to 2,000-mm Big Bertha, page 18 C; **Interchangeable Front Component**, page 20 C; **Dual Focal Length**, page 20 C; **Zoom**, page 20 C; **Special Types**, page 21 C; **Mirror Optics**, page 22 C; **Macro Lenses**, page 22 C. **WHAT LENS FOR WHAT CAMERA?**, page 23 C.

ENLARGERS:

page 27 C

STILL & MOVIE FILMS:

BLACK & WHITE STILL FILMS, page 39 C; **POLAROID LAND FILMS**, page 43 C; **COLOR STILL FILMS**, page 44 C; **FILTERS FOR COLOR**, pages 46 C, 47 C; **MOVIE FILMS**, page 48 C; **FILTER FACTORS FOR PANCHROMATIC FILMS**, page 52 C.

EXPOSURE METERS:

page 52 C; **COLOR TEMPERATURE METERS**, page 60 C.

MANUFACTURERS & DISTRIBUTORS:

ADDRESS LIST, page 61 C

EQUIPMENT INDEX:

page 64 C

ROTHSCHILD'S LENS LISTING

Today's user of interchangeable lenses need not complain of a dearth. Before him lies a panoply of lenses that his forefathers would have sacrificed an arm to be able to work with. Gone are the days when an $f/4.5$ lens was considered "fast," when an $f/8$ Rapid Rectilinear was a "common" piece of optical equipment.

Today's worker can choose from true speed lenses of $f/1.4$, 1.5 , and loads of them in the $f/1.8$ to $f/2.2$ range. There's even an $f/0.95$ for the guy that's got photophobia! And there are special lenses for special jobs, lenses for photomacrography, for architectural shots, zoom lenses to give you truly flexible control over image size and cropping, mirror optics to give you focal length up to 150 inches, with relatively small bulk, and even a medical lens with its own built-in electronic flash!

But along with all these lenses come a variety of cameras each with its own home-grown lens mount. And alas! Lenses from one camera often will not fit one of another make. Fortunately this isn't always true and there is quite a bit of interchangeability and there are loads of adapters. You'll find information on this at the end of the lens listing. But, take "interchangeability" with a grain of salt. In general, lenses offered by the maker of a camera will tend to live up to his chosen tolerances closely. Adaptations and lenses with similar mounts can come up to these tolerances quite well too, but not always. So, if you use an adapter, or a lens with a "similar" thread, make some shots first with the diaphragm wide-open to see if all is in focus. If not, go to your local camera repair expert and have everything lined up properly. As a matter of fact whenever you buy a new lens for any camera it's a good idea to check it out with your repair shop to see that all is in order.

LENS GUIDE

for 35-mm and $2\frac{1}{4}$ cameras

9.8-mm to 21-mm Extreme-Wide-Angle (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
9.8-mm $f/1.9$	Alpa-Kinoptik	Manual	Alpa Reflex (covers 18x24-mm frame)	Karl Heitz, Inc.	\$549
18-mm $f/2.8$	Alpa-Kinoptik	Manual	Alpa Reflex (covers 18x24-mm frame)	Karl Heitz, Inc.	\$299
20-mm $f/4$	Zeiss Flektogon	Automatic	Exa, Exakta	Exakta Camera Co.	\$200
21-mm $f/3.4$	Super Angulon	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$270
19-mm $f/3.5$	Canon FL	Manual	B & H/Canon FX	Bell & Howell	\$237.50, \$269.95 (with 19-mm viewfinder objective)
21-mm $f/4$	Nikkor	Click	Nikon F	Nikon, Inc.	\$209.50
21-mm $f/4$	Rokkor	Manual	Minolta SR-7	Minolta Corp.	\$209.50
21-mm $f/4.5$	Zeiss Biogon	Manual	Contarex, Contarex Special	Carl Zeiss, Inc.	\$249

24-mm to 30-mm Extra-Wide-Angle (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
24-mm <i>f</i> /3.5	Alpa Retrofocus	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$199
24-mm <i>f</i> /4	Enna Lithagon	Click	Robot Royal 18s, 24s, 36s	Karl Heitz, Inc.	\$269
24-mm <i>f</i> /4	Enna Ultra-Lithagon	Automatic (in Enna automatic mount)	Alpa, Edixamat, Exa, Exakta, Miranda, Pentax; Yashica J, J3, J5 (Nikon F in 1965)	Geiss-America	\$129.50 (less mount)
24-mm <i>f</i> /4	Enna Ultra-Lithagon	Preset	Exa, Exakta	Exakta Camera Co.	\$109.50
24-mm <i>f</i> /4	Enna Ultra-Lithagon	Preset	Pentax, Praktica, Praktina	Prakti Camera Co.	\$109.50
24-mm <i>f</i> /4	Isco Westrogon	Automatic	Exa, Exakta	Exakta Camera Co.	\$149.50
25-mm <i>f</i> /2.8	Distagon	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$259
25-mm <i>f</i> /3.5	Auto Topcor	Automatic	Beseler Topcon C and Super D	Charles Beseler Co.	\$275
25-mm <i>f</i> /3.5	Canon	Click	Canon, Leica	Bell & Howell	\$185
25-mm <i>f</i> /4	E. Zuiko Auto W	Automatic	Olympus Pen (half-frame)	Scopus, Inc.	\$79.95
25-mm <i>f</i> /4	Flektogon	Automatic	Exa, Exakta	Exakta Camera Co.	\$166.50
28-mm <i>f</i> /2.8	Canon	Click	Canon, Leica	Bell & Howell	\$170
28-mm <i>f</i> /2.8	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$159.50
28-mm <i>f</i> /2.8	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$159.50
28-mm <i>f</i> /2.8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$99.95
28-mm <i>f</i> /2.8	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$159.50
28-mm <i>f</i> /2.8	Spiratone	Preset	"T" system	Spiratone, Inc.	\$59.95
28-mm <i>f</i> /3.5	Angenieux Retro-focus R 11	Manual	Pentax, Praktica	Zoomar International, Inc.	\$135
28-mm <i>f</i> /3.5	Auto-Nikkor	Automatic	Nikkorex F, Nikon F, Ricoh Singlex	Nikon, Inc.	\$169.50
28-mm <i>f</i> /3.5	Auto Rokkor	Automatic	Minolta Reflex	Minolta Corp.	\$159.50
28-mm <i>f</i> /3.5	Enna Ultra-Lithagon	Automatic (in Enna automatic mount)	Alpa, Edixamat, Exa, Exakta, Pentax, Praktica, Yashica J, (Nikon F in 1965)	Geiss-America	\$99.50
28-mm <i>f</i> /3.5	Komura	Preset	Canonflex, Exakta, Konica, Minolta, Miranda, Nikon F, Petri-Flex, Praktica, via adapters	Komura	\$94.50
28-mm <i>f</i> /3.5	Nikkor	Click	Nikon S, S2, S3, SP	Nikon, Inc.	\$130
28-mm <i>f</i> /3.5	Super Takumar	Automatic	Pentax	Honeywell Photographic Products	\$139.50
28-mm <i>f</i> /3.5	Enna Ultra-Lithagon	Preset	Exa, Exakta	Exakta Camera Co.	\$90
28-mm <i>f</i> /4	Alpa Retrofocus	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$179
28-mm <i>f</i> /4	Kodak Retina Curtagon	Automatic	Kodak Retina Reflex III, IV, S; Retina IIIS	Eastman Kodak Co.	\$74.50
28-mm <i>f</i> /4	Schneider Curtagon Stopomatic	Automatic	Exa, Exakta	Burleigh Brooks, Inc.	\$189.50
28-mm <i>f</i> /4	Schneider Curtagon Automatic	Automatic	Edixamat, Pentacon F, Pentax	Burleigh Brooks, Inc.	\$166
30-mm <i>f</i> /3.5	Meyer Domigon	Automatic	Pentina	Exakta Camera Co.	\$54.50
30-mm <i>f</i> /3.5	Schneider Xenagon	Click	Robot 18s, 24s	Karl Heitz, Inc.	\$138.68
30-mm <i>f</i> /3.5	Schneider Xenagon	Click	Robot Star II	Karl Heitz, Inc.	\$106.43

35-mm to 40-mm Wide-Angle (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
35-mm f/1.4	Summilux	Click	Leica M1, M2	E. Leitz, Inc.	\$219
35-mm f/1.4	Summilux RF	Click	Leica M3	E. Leitz, Inc.	\$219 (with viewing unit)
35-mm f/1.5	Canon	Click	Canon, Leica	Bell & Howell	\$190
35-mm f/1.8	Canon	Click	Canon, Leica	Bell & Howell	\$160
35-mm f/1.8	Nikkor	Click	Nikon S, S2, S3, SP	Nikon, Inc.	\$159.50
35-mm f/2	Canon	Click	Canon, Leica	Bell & Howell	\$150
35-mm f/2	Distagon	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	To be announced
35-mm f/2	Rikenon	Automatic	Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$129.50
35-mm f/2	Summicron	Click	Leica M1, M2	E. Leitz, Inc.	\$159
35-mm f/2	Summicron RF Dual Range	Click	Leica M3	E. Leitz, Inc.	\$195 (with viewing unit)
35-mm f/2.3	Auto-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$124.50
35-mm f/2.5	Angenieux Retro-focus RI	Manual	Praktica, Pentax	Zoomar International, Inc.	\$112
35-mm f/2.5	Aetna Rokunon	Preset	Compatible with "T" system	Aetna Optix	\$84.95
35-mm f/2.5	Canon FL	Automatic	Canon FX	Bell & Howell	\$116.50
35-mm f/2.5	Enna Lithagon	Preset	Praktina	Camera Specialty Co.	\$75
35-mm f/2.5	Juplen	Preset	Exa, Exakta	Petri-Kine Camera Co.	\$69.50
35-mm f/2.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$59.50
35-mm f/2.8	Accura	Preset	"T" system	Accura, Ltd.	\$69.95
35-mm f/2.8	Aetna Terragon	Preset	Compatible with "T" system	Aetna Optix	\$69.50
35-mm f/2.8	Alpa Curtagon	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$179
35-mm f/2.8	Amitar	Preset	Compatible with "T" system	Sterling-Howard Co.	\$37.50
35-mm f/2.8	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$159.50
35-mm f/2.8	Auto Rokkor	Automatic	Minolta Reflex	Minolta Corp.	\$129.50
35-mm f/2.8	Auto Topcor	Automatic	Beseler Topcon C	Charles Beseler Co.	\$150
35-mm f/2.8	Auto Topcor	Automatic	Beseler Topcon C and Super D	Charles Beseler Co.	\$150
35-mm f/2.8	Auto Yashinon	Automatic	Pentamatic; Penta J, J3, J5	Yashica Inc.	\$85
35-mm f/2.8	Canon	Click	Canon, Leica	Bell & Howell	\$115
90-mm f/2.8	Elmarit	Click	Leica M1, M2, M3; adaptable to Visoflex reflex housings	E. Leitz, Inc.	\$174
35-mm f/2.8	Enna	Automatic	Alpa, Edixamat, Exa, Exakta, Pentax, Praktica IV, Yashica J, (Nikon F in 1965)	Geiss-America	\$89.50
35-mm f/2.8	Enna Lithagon	Preset	Exa, Exakta	Exakta Camera Co.	\$75
35-mm f/2.8	Enna Lithagon	Preset	Praktina	Prakti Camera Co.	\$90
35-mm f/2.8	Flektogon	Automatic	Exa, Exakta	Exakta Camera Co.	\$129.50
35-mm f/2.8	Flektogon	Automatic	Praktina	Prakti Camera Co.	\$124.95
35-mm f/2.8	Flektogon	Click	Werramatic	Exakta Camera Co.	\$59.50
35-mm f/2.8	Hexanon	Preset	Konica F, FP, FS	Konica Camera Corp.	\$89.95
35-mm f/2.8	Hexanon	Automatic	Konica F, FP, FS	Konica Camera Corp.	\$119.95
35-mm f/2.8	Isco-Mat LM	Automatic	Exa, Exakta (has built-on light meter provision)	Exakta Camera Co.	\$149.50; (\$169.50 with meter)
35-mm f/2.8	Isco Westron	Automatic	Praktica	Prakti Camera Co.	\$99.50

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
35-mm f/2.8	Juplen	Preset	Exakta, Miranda, Pentax, Praktica	Petri-Kine Camera Co.	\$69.50
35-mm f/2.8	Kalimar	Preset	Compatible with "T" system	Kalimar Inc.	\$49.95
35-mm f/2.8	Kodak Retina Curtagon	Automatic	Retina Reflex III, IV, S; Retina IIIS	Eastman Kodak Co.	\$74.50
35-mm f/2.8	Komura	Click	Canon, Leica	Komura	\$69.50
35-mm f/2.8	Mamiya-Sekor	Automatic	Mamiya Prisma (Olden)	Olden Camera & Lens Co.	\$58.50
35-mm f/2.8	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$109.95
35-mm f/2.8	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$109.95
35-mm f/2.8	Ricoh Wide Rikenon	Preset	Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$89.50
35-mm f/2.8	Schneider Curtagon Automatic	Automatic	Edixamat, Pentacon, Pentax, Praktica	Burleigh Brooks, Inc.	\$158
35-mm f/2.8	Schneider Curtagon LM	Automatic	Exa, Exakta (has built-on light meter provision)	Exakta Camera Co.	\$149.50; (\$169.50 with meter)
35-mm f/2.8	Schneider Curtagon Stopomatic	Automatic	Exakta	Burleigh Brooks, Inc.	\$179.50
35-mm f/2.8	Schneider Xenagon	Click	Robot Royal 24s, 36s	Karl Heitz, Inc.	\$170.93
35-mm f/2.8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$74.95
35-mm f/2.8	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$109.95
35-mm f/2.8	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$49.50
35-mm f/2.8	Spiratone	Preset	"T" system	Spiratone, Inc.	\$39.95
35-mm f/2.8	Steinheil Auto-Quinaron	Automatic	Exa, Exakta	Exakta Camera Co.	\$149.50
35-mm f/2.8	Steinheil Auto-D Quinaron	Automatic	Mamiya/Sekor CWP, Pentax, Petri Flex, Praktica	Ponder & Best, Inc.	\$119.50
35-mm f/2.8	S-Travegon	Automatic	Edixamat, Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$129.50
35-mm f/2.8	Summaron	Click	Leica M1, M2	E. Leitz, Inc.	\$117
35-mm f/2.8	Summaron RF	Click	Leica M3	E. Leitz, Inc.	\$156 (with viewing unit)
35-mm f/2.8	Sunset	Preset	Compatible with "T" system	Intercontinental Marketing Corp.	\$73.90
35-mm f/2.8	Super Yashinon-R	Preset	Pentamatic, J, J3, J5	Yashica, Inc.	\$60
35-mm f/2.8	Tanar	Click	Contax, Leica, Nikon	Petri-Kine Camera Co.	\$79.50
35-mm f/2.8	Telesar	Preset	Exakta, Praktica	Masel Supply Co.	\$46.50
35-mm f/2.8	Vivitar	Preset	Argus SLR, Canonflex, Exa, Exakta, Konica, Minolta SR, Miranda, Nikon F, Nikkorex F, Mamiya Prisma WP, Mamiya/Sekor WP, Pentax, Petri Flex V and 7, Praktica, via adapters.	Ponder & Best, Inc.	\$59.50
35-mm f/3.4	AgfaColor Ambion	Automatic	Agfaflex IV, V	Agfa Inc.	\$69
35-mm f/3.4	Voigtlander Skoparex	Automatic	Voigtlander Bessamatic, Bessamatic De Luxe, Ultramatic	H. A. Bohm & Co.	\$89.95
35-mm f/3.5	Acall	Click	Leica	Olden Camera & Lens Co.	\$31.95
35-mm f/3.5	Acall	Preset	Pentax, Praktica	Olden Camera & Lens Co.	\$21.95
35-mm f/3.5	Enna Lithagon	Preset	Praktica, Praktina	Prakti Camera Co.	\$49.50
35-mm f/3.5	Komura	Preset	Canonflex, Exakta, Konica, Minolta SR, Miranda, Nikon F, Pentax, Praktica, Petri Flex, via adapters	Komura	\$89.50

continued on next page

LENS GUIDE (35-mm to 40-mm Wide Angle) continued

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
35-mm f/3.5	Petri-Orrikor	Automatic	Petri Flex V and 7	Fotochrome Inc.	\$92
35-mm f/3.5	Schacht Travegon	Automatic	Praktica	Prakti Camera Co.	\$79.95
35-mm f/3.5	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$44.95
35-mm f/3.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$39.50
35-mm f/3.5	Super Takumar	Automatic	Pentax	Honeywell Photographic Products	\$99.50
35-mm f/3.5	Telesar	Preset	Exakta, Praktica	Masel Supply Co.	\$42
35-mm f/3.5	Travegon	Automatic	Edixamat, Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$99.50
35-mm f/4	Distagon	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$166
35-mm f/4	Rokkor	Preset	Minolta Reflex	Minolta Corp.	\$65.50
35-mm f/4.5	Enna Lithagon	Preset	Praktica	Prakti Camera Co.	\$39.95
35-mm f/4.5	Lithagon	Click	Argus C4 (requires \$10 factory fitting)	Geiss-America	\$49.50
35-mm f/4.5	Meyer Primagon	Preset	Exa, Exakta	Exakta Camera Co.	\$39.50
35-mm f/4.5	Meyer Primagon	Preset	Praktica	Prakti Camera Co.	\$39.50
35-mm f/4.5	Sandmar	Click	Argus C3, Matchmatic	Geiss-America	\$49.50
36-mm f/1.8	Komura	Click	Canon, Leica	Komura	\$125
38-mm f/1.8	F. Zuiko Auto S	Automatic	Olympus Pen F (half-frame)	Scopus Inc.	\$50
38-mm f/2.8	Schneider Xenar	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$106.43
38-mm f/2.8	Schneider Xenar	Click	Robot Star II	Karl Heitz, Inc.	\$256.93
40-mm f/1.9	Schneider Xenon	Click	Robot Star II	Karl Heitz, Inc.	\$278.93
40-mm f/2	Voigtlander Skopagon	Automatic	Voigtlander Bessamatic, Bessamatic De Luxe, Ultramatic	H. A. Bohm & Co.	\$189.50

45-mm to 65-mm Normal (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
45-mm f/1.9	Missiltronics	Manual	Canon, Leica (uncoupled)	Denson Electronics Corp.	\$24.95
45-mm f/2.8	Schneider Xenar	Click	Robot Royal 18s, 24s, 36s	Karl Heitz, Inc.	\$116.48
50-mm f/0.95	Canon	Click	Canon 7	Bell & Howell	\$320
50-mm f/1.2	Canon	Click	Canon, Leica	Bell & Howell	\$210
50-mm f/1.4	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$156.95
50-mm f/1.4	Canon	Click	Canon, Leica	Bell & Howell	\$150
50-mm f/1.4	Summilux	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$216
50-mm f/1.5	Angenieux S21	Manual	Pentax, Praktica	Zoomar International, Inc.	\$196
50-mm f/1.8	Alpa Switar	Automatic	Alpa	Karl Heitz, Inc.	\$159
50-mm f/1.8	Canon	Click	Canon, Leica	Bell & Howell	\$110
50-mm f/1.8	Canon FL	Automatic	Canon FX	Bell & Howell	\$81.50
50-mm f/1.8	S-Travelon	Automatic	Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$119.50
50-mm f/1.9	Enna	Automatic (in Enna Automatic mount)	Alpa, Edixa, Exakta, Exa, Miranda, Pentax, Praktica IV, Yashica J, (Nikon F in 1965)	Geiss-America	\$69.50
50-mm f/1.9	Isco-Maf LM	Automatic (has built-on meter provision)	Exa, Exakta	Exakta Camera Co.	\$89.50; meter, \$20
50-mm f/1.9	Kodak Retina-Xenon	Automatic	Retina Reflex III, IV, S; Retina IIIs	Eastman Kodak Co.	\$87.50
50-mm f/1.9	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$89.95
50-mm f/1.9	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$89.95

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
50-mm f/1.9	Schneider Xenon	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$181.68
50-mm f/1.9	Schneider Xenon LM	Automatic (has built-on light meter provision)	Exa, Exakta	Exakta Camera Co.	\$99.50; meter, \$20
50-mm f/1.9	Schneider Xenon Stopomatic	Automatic	Exakta	Burleigh Brooks, Inc.	\$150
50-mm f/1.9	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$89.95
50-mm f/1.9	Isco Westrocolor	Automatic	Exa, Exakta	Exakta Camera Co.	\$80
50-mm f/2	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$91.95
50-mm f/2	Dual Range Summicron	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$189 (with viewing/focusing unit)
50-mm f/2	Meyer Domiron	Automatic	Exa, Exakta	Exakta Camera Co.	\$80
50-mm f/2	Nikkor	Click	Nikon S, S2, S3, SP	Nikon, Inc.	\$84.50
50-mm f/2	Pancolar	Automatic	Exa, Exakta	Exakta Camera Co.	\$99.50
50-mm f/2	Planar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$159
50-mm f/2	Summicron	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$150
50-mm f/2	Voigtlander Septon	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$120
50-mm f/2.8	Elmar	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$66
50-mm f/2.8	Kodak Retina-Xenar	Automatic	Retina Reflex III, IV, S; Retina IIIs	Eastman Kodak Co.	\$52
50-mm f/2.8	Soligor-Miranda	Preset	All Miranda cameras	Allied Impex Corp.	\$29.95
50-mm f/2.8	Tessar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$79
50-mm f/2.8	Tessar	Automatic	Exa, Exakta	Exakta Camera Co.	\$70
50-mm f/2.8	Tessar	Automatic	Praktina FX	Prakti Camera Co.	\$64.95
50-mm f/2.8	Voigtlander Color Skopar	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$50
50-mm f/3.5	Nikkor	Automatic	Bronica S	Bronica	\$269.50
50-mm f/4	Flektogon	Automatic	Praktisix	Prakti Camera Co.	\$249.50
50-mm f/4	Zeiss Distagon	Automatic	Hasselblad 500C	Paillard Inc.	\$432.50
52-mm f/1.4	Hexanon	Automatic	Konica F, FP, FS	Konica Camera Corp.	\$109.95
52-mm f/1.8	Hexanon	Automatic	Konica F, FP, FS	Konica Camera Corp.	\$79.95
52-mm f/3.5	Kaligar	Preset	Kalimar Reflex 660 and SQ (adapters for Bronica; Hasselblad 1000F, 1600F, \$12.95 ea.)	Kalimar Inc.	\$119.50
55-mm f/1.4	Planar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$249
55-mm f/1.8	Auto Rokkor	Automatic	Minolta Reflex	Minolta Corp.	\$106.95
55-mm f/1.8	Super-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$94.50
55-mm f/1.9	Steinheil Quinon	Automatic	Praktina FX	Prakti Camera Co.	\$84.75
55-mm f/2	Agfa Color Solagon	Automatic	Agfaflex IV and V	Agfa Inc.	\$105
55-mm f/2	Super-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$64.50
58-mm f/1.2	Canon FL	Automatic	Canon FX	Bell & Howell	\$169.50
58-mm f/1.4	Auto Rokkor	Automatic	Minolta SR	Minolta Corp.	\$136.95
58-mm f/1.4	Auto Topcor	Automatic	Beseler Topcon C and Super D	Charles Beseler Co.	\$191
58-mm f/1.8	Auto Topcor	Automatic	Beseler Topcon C	Charles Beseler Co.	\$106
58-mm f/1.8	Auto Topcor	Automatic	Beseler Topcon C and Super D	Charles Beseler Co.	\$106
58-mm f/2	Biotar	Automatic	Exa, Exakta	Exakta Camera Co.	\$80
58-mm f/2	Biotar	Automatic	Praktina FX	Prakti Camera Co.	\$74.75
60-mm f/1.5	G. Zuiko Auto T	Automatic	Olympus Pen F (half-frame)	Scopus Inc.	To be announced
60-mm f/5.6	Hexanon	Click	Koni-Omega Rapid	Konica Camera Corp.	\$189.50
65-mm f/2.8	Flektogon	Automatic	Praktisix	Prakti Camera Co.	\$229.50
65-mm f/3.5	Elmar	Click	Leitz Visoflex II, IIa, III	E. Leitz, Inc.	\$90
65-mm f/3.5	Mamiya-Sekor	Mamiya	Mamiya C2, C3	Mamiya	\$159.50
65-mm f/6.3	Mamiya Wide Angle	Manual	Mamiya 23 Press	Mamiya	\$179.50

70-mm to 125-mm Medium Long (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
70-mm f/2	F. Zuiko Auto T	Automatic	Olympus Pen F (half-frame)	Scopus Inc.	To be announced
75-mm f/1.5	Biotar	Preset	Exa, Exakta	Exakta Camera Co.	\$199.50
75-mm f/1.9	Meyer Primoplan	Preset	Praktica	Prakti Camera Co.	\$89.95
75-mm f/2.8	Auto-Nikkor	Automatic	Bronica S	Bronica	\$119.50
75-mm f/3.5	Alpa-Xenar	Preset	Alpa	Karl Heitz, Inc.	\$129
75-mm f/3.8	Schneider Tele-Xenar	Click	Robot Royal 18s, 24s, 36s	Karl Heitz, Inc.	\$149.43
75-mm f/3.8	Schneider Tele-Xenar	Click	Robot Star II	Karl Heitz, Inc.	\$117.18
80-mm f/2.8	Biometar	Automatic	Exa, Exakta	Exakta Camera Co.	\$139.50
80-mm f/2.8	Mamiya-Sekor	Manual	Mamiya C2 and C3	Mamiya	\$94.50
80-mm f/2.8	Tessar	Preset	Exa, Exakta	Exakta Camera Co.	\$59.50
80-mm f/2.8	Tessar	Preset	Praktica	Prakti Camera Co.	\$59.50
80-mm f/2.8	Zeiss Planar	Automatic	Hasselblad 500C	Paillard Inc.	\$266
80-mm f/3.5	Meyer Primotar	Preset	Exa, Exakta	Exakta Camera Co.	\$49.50
85-mm f/1.4	Komura	Preset	Canonflex, Exakta, Konica, Minolta SR, Miranda, Nikon F, Pentax, Praktica, Petri Flex, Ricoh Singlex	Komura	\$169.50
85-mm f/1.8	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon Inc.	\$199.50
85-mm f/1.8	Auto-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$134.50
85-mm f/1.8	Canon	Click	Canon, Leica	Bell & Howell	\$170
85-mm f/1.8	Canon FL	Automatic	Canon FX	Bell & Howell	\$144.50
85-mm f/1.8	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$159.50
85-mm f/1.8	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$159.50
85-mm f/1.9	Super-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$179.50
85-mm f/2	Astra Speed	Preset	Exakta, Miranda, Pentax, Praktica, Topcon, other SLRs	Sterling-Howard Corp.	\$49.50
85-mm f/2	Nikkor	Click	Nikon S, S2, S3, SP	Nikon Inc.	\$189.50
85-mm f/2	Sonnar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$209
85-mm f/2.8	Cardinar	Automatic	Pentina	Exakta Camera Co.	\$69.50
85-mm f/2.8	Schacht Travenar	Preset	Praktica	Prakti Camera Co.	\$62.95
85-mm f/4	Kodak Retina Tele-Arton	Automatic	Retina Reflex III, IV, S; Retina IIIs	Eastman Kodak Co.	\$78.50
90-mm f/1.8	Angenieux P1	Manual	Pentax, Praktica	Zoomar International, Inc.	\$140
90-mm f/2	Summicron	Manual	Leica M1, M2, M3 and Visoflex	E. Leitz, Inc.	\$270; \$240 for Visoflex
90-mm f/2.5	Alpa Alfitar	Automatic	Alpa	Karl Heitz, Inc.	\$179
90-mm f/2.5	Angenieux Y1	Automatic	Exa, Exakta	Exakta Camera Co.	\$119.50
90-mm f/2.5	Angenieux Y12	Manual	Pentax, Praktica	Zoomar International, Inc.	\$96
90-mm f/2.8	Alpa Makro Kilar	Preset	Alpa	Karl Heitz, Inc.	\$239
90-mm f/2.8	Elmarit	Click	Leica M1, M2, M3 and Visoflex	E. Leitz, Inc.	\$174
90-mm f/2.8	Enna	Automatic	Alpa, Edixa, Exa, Exakta, Miranda, Pentax, Praktica IV, Yashica J, (Nikon F in 1965)	Geiss-America	\$79.50
90-mm f/2.8	Schacht Travenar	Preset	Praktica	Prakti Camera Co.	\$79.95
90-mm f/2.8	Tele-Elmarit	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$192
90-mm f/2.8	Travenar	Automatic	Edixamat, Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$93.95
90-mm f/3.4	Agfa Color Telinear	Automatic	Agfallex IV, V	Agfa Inc.	\$78

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
90-mm f/3.4	Voigtlander Dynarex	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$109.50
90-mm f/3.5	Hexanon	Click	Koni-Omega Rapid	Konica Camera Corp.	\$149.50
90-mm f/3.5	Mamiya Press Standard	Manual	Mamiya 23 Press	Mamiya	\$114.50
90-mm f/3.5	Optika Taragon	Preset	Optika IIA, Professional	Aetna Optix	\$99.50
90-mm f/3.5	Schneider Tele-Xenar	Preset	Exakta, Pentacon, Pentax Praktica	Burleigh Brooks, Inc.	\$95.50 for Exakta; others, \$89.50
90-mm f/3.5	Topcor	Preset	Beseler Topcon B, C, and Super D	Charles Beseler Co.	\$114
90-mm f/4	Elmar	Click	Leica M1, M2, M3, and Visoflex	E. Leitz, Inc.	\$108
90-mm f/4	Elmar (collapsible model)	Click	Leica M1, M2, M3	E. Leitz, Inc.	\$141
90-mm f/4	Schneider Tele-Arton	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$170.93
90-mm f/6.8	Schneider Angulon	Manual	Optika IIA, Professional (special lensboard required, \$19.75)	Aetna Optix	\$44.85, plus lensboard
100-mm f/2	Alpa Kinoptik	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$359
100-mm f/2	Canon	Click	Canon, Leica	Bell & Howell	\$170
100-mm f/2	Century Tele-Athenar	Click	Various SLRs	Century Precision Optics	\$239.50
100-mm f/2.4	Sunset	Preset	Compatible with "T" system	Intercontinental Marketing Corp.	\$65.90
100-mm f/2.5	Aetna Coligon	Preset	Compatible with "T" system	Aetna Optix	\$65
100-mm f/2.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$49.50
100-mm f/2.8	Auto Topcor	Automatic	Beseler Topcon C, Super D	Charles Beseler Co.	\$150
100-mm f/2.8	Hexanon	Automatic	Konica F, FP, FS	Konica Camera Corp.	\$129.95
100-mm f/2.8	Hexanon	Preset	Konica F, FP, FS	Konica Camera Corp.	\$99.95
100-mm f/2.8	Meyer Trioplan	Automatic	Exa, Exakta	Exakta Camera Co.	\$99.50
100-mm f/3.3	Schacht Travenar	Preset	Praktica	Prakti Camera Co.	\$49.50
100-mm f/3.3	Schacht Travegar	Preset	Praktina FX	Prakti Camera Co.	\$59.95
100-mm f/3.5	Auto Rokkor	Automatic	Minolta SR	Minolta Corp.	\$109.50
100-mm f/3.5	Canon F1	Automatic	Canon FX	Bell & Howell	\$94.50
100-mm f/3.5	Canon	Click	Canon, Leica	Bell & Howell	\$100
100-mm f/3.5	E. Zuiko Auto T	Automatic	Olympus Pen F (half-frame)	Scopus Inc.	\$99.95
100-mm f/3.5	Tele-Astra	Preset	Exakta, Pentax, Praktica	Sterling-Howard Corp.	\$24.50
100-mm f/3.5	Travegar	Preset	Exakta, Praktica, Praktina	Agof-Schacht Lens Corp.	\$60
100-mm f/4	Cardinar	Click	Werramatic	Exakta Camera Co.	\$59.50
100-mm f/4	Rokkor	Preset	Minolta SR	Minolta Corp.	\$65.50
100-mm f/4.5	Isconar Telephoto	Manual	Exa, Exakta	Exakta Camera Co.	\$25
100-mm f/4.5	Lithagon	Click	Argus C4 (requires \$10 factory fitting)	Geiss-America	\$49.50
100-mm f/4.5	Sandmar	Click	Argus C3, Matchmatic	Geiss-America	\$49.50
100-mm f/4.8	Voigtlander Dynarex	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$89.95
105-mm f/2	Komura	Preset	Canonflex, Exakta, Konica, Minolta, Miranda, Nikon F, Pentax, Petri Flex, Praktica, via adapters	Komura	\$115
105-mm f/2.4	Accura Supertel	Preset	"T" system	Accura, Ltd.	\$59.95
105-mm f/2.5	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$184.50
105-mm f/2.5	Nikkor	Click	Nikon S, S2, S3, SP	Nikon, Inc.	\$159.50
105-mm f/2.5	Spiratone	Preset	"T" system	Spiratone, Inc.	\$34.95
105-mm f/2.8	Komura	Click	Canon, Leica	Komura	\$85
105-mm f/2.8	Miranda Automex	Automatic	Miranda	Allied Impex Corp.	\$139.50
105-mm f/2.8	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$139.50

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LENS GUIDE (70-mm to 125-mm Medium Long) continued

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
105-mm f/2.8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$69.95
105-mm f/2.8	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$139.50
105-mm f/2.8	Super-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$139.50
105-mm f/2.8	Takumar	Preset	Pentax	Honeywell Photographic Products	\$99.50
105-mm f/3.5	Mamiya-Sekor	Manual	Mamiya C2, C3	Mamiya	\$104.50
105-mm f/4	Nikkor	Preset	Nikkorex F, Nikon F	Nikon, Inc.	\$74.50
120-mm f/2.8	Biometar	Automatic	Exa, Exakta	Exakta Camera Co.	\$169.50
120-mm f/2.8	Biometar	Automatic	Praktisix	Prakti Camera Co.	\$209.50
120-mm f/5.6	Zeiss S-Planar	Automatic	Hasselblad 500C	Paillard Inc.	\$425
125-mm f/2.3	Astro-Tachar	Click	Most 35-mm, 2 1/4 SLRs, and reflex housings via adapters	Ercona Corp.	\$250

135-mm to 210-mm Long (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
135-mm f/2	Komura	Preset	Canonflex, Exakta, Konica, Minolta, Miranda, Nikon F, Pentax, Petri Flex, Praktica via adapters	Komura	\$209
135-mm f/2	Topcor	Preset	Beseler Topcon B, C, and Super D	Charles Beseler Co.	\$335
135-mm f/2.3	Komura	Preset	Canonflex, Exa, Exakta, Konica, Minolta SR, Miranda, Nikon F, Pentax, Praktica, Petri Flex via adapters	Komura	\$142.50
135-mm f/2.3	Komura	Preset	Bronica S	Komura	\$185
135-mm f/2.5	Angenieux P2	Manual	Pentax, Praktica	Zoomar International, Inc.	\$200
135-mm f/2.5	Canon M	Click	Canon 7 (Short mount, use with Canon MB-2 reflex housing)	Bell & Howell	\$190
135-mm f/2.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$59.50
135-mm f/2.5	Tele Rokunar	Preset	Compatible with "T" system	Aetna Optix	\$69.50
135-mm f/2.8	Acall	Preset	Pentax, Praktica	Olden Camera & Lens Co.	\$31.95
135-mm f/2.8	Accura Supertel	Preset	"T" system	Accura, Ltd.	\$49.95
135-mm f/2.8	Aetna Coligon	Preset	Compatible with "T" system	Aetna Optix	\$45
135-mm f/2.8	Auto Coligon	Preset	Compatible with "T" system	Aetna Optix	\$75
135-mm f/2.8	Auto Rokkor	Automatic	Minolta SR	Minolta Corp.	\$149.50
135-mm f/2.8	Auto Yashinon	Automatic	Penta J, J3, J5; Pentamatic	Yashica Inc.	\$85
135-mm f/2.8	Elmarit	Click	Leica M2, M3; Visoflex	E. Leitz, Inc.	\$258
135-mm f/2.8	Enna	Automatic (in Enna automatic mount)	Alpa, Edixa, Exa, Exakta, Miranda, Pentax, Praktica IV, Yashica J (Nikon F in 1965)	Geiss-America	\$89.50
135-mm f/2.8	Enna Tele-Ennalyt	Preset	Praktica, Praktina	Prakti Camera Co.	\$66.50
135-mm f/2.8	Isco Telephoto	Preset	Exa, Exakta	Exakta Camera Co.	\$100
135-mm f/2.8	Juplen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$59.95
135-mm f/2.8	Kalimar	Automatic	Compatible with "T" system	Kalimar Inc.	\$74.95
135-mm f/2.8	Kalimar	Preset	Compatible with "T" system	Kalimar Inc.	\$59.95
135-mm f/2.8	Mamiya-Sekor	Automatic	Mamiya Prisma (Olden)	Olden Camera & Lens Co.	\$78.50
135-mm f/2.8	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$149.50
135-mm f/2.8	Miranda F	Automatic	Miranda F	Allied Impex Corp.	\$149.50
135-mm f/2.8	Ricoh Rikenon	Preset	Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$119.50

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
135-mm f/2.8	Samigon	Preset	Compatible with "T" system	Samigon Corp.	\$69.95
135-mm f/2.8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$89.95
135-mm f/2.8	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$149.50
135-mm f/2.8	Sonnar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	To be announced
135-mm f/2.8	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$49.50
135-mm f/2.8	Spiratone	Preset	"T" system	Spiratone, Inc.	\$29.95 to \$36.95
135-mm f/2.8	Steinheil	Preset	Exakta	Olden Camera & Lens Co.	\$54.50
135-mm f/2.8	Steinheil Auto-D-Quinar	Automatic	Mamiya/Sekor CWP, Pentax, Petri Flex V and 7, Praktica, Yashica	Ponder & Best, Inc.	\$119.50
135-mm f/2.8	Steinheil Quinar	Automatic	Exa, Exakta	Exakta Camera Co.	\$189.50
135-mm f/2.8	Sunset	Preset	Compatible with "T" system	Intercontinental Marketing Corp.	\$54.90
135-mm f/2.8	Super Yashinon	Preset	Models for Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$85
135-mm f/2.8	Telesar	Preset	All SLRs	Masel Supply Co.	\$44.50
135-mm f/2.8	Tele-Iscaron	Automatic	Exa, Exakta	Exakta Camera Co.	\$150
135-mm f/2.8	Vivitar	Preset	Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya Prisma WP, Minolta SR, Miranda, Nikon F, Pentax, Petri Flex, Praktica, via adapters, Yashica Pentamatic	Ponder & Best, Inc.	\$70
135-mm f/3.5	Acall	Click	Canon, Leica	Olden Camera & Lens Co.	\$39.95
135-mm f/3.5	Aetna Coligon	Preset	Compatible with "T" system	Aetna Optix	\$37.50
135-mm f/3.5	Alpa Tele-Xenar	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$179
135-mm f/3.5	Angenieux Y2	Manual	Pentax, Praktica	Zoomar International, Inc.	\$100
135-mm f/3.5	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$169.50
135-mm f/3.5	Auto-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$119.50
135-mm f/3.5	Auto Topcor	Automatic	Beseler Topcon C and Super D	Charles Beseler Co.	\$129
135-mm f/3.5	Canon	Click	Canon, Leica	Bell & Howell	\$130
135-mm f/3.5	Canon FL	Automatic	Canon FX	Bell & Howell	\$129.50
135-mm f/3.5	Hexanon	Automatic	Konica F, FP, FS	Konica Camera Corp.	\$129.95
135-mm f/3.5	Hexanon	Preset	Konica F, FP, FS	Konica Camera Corp.	\$99.95
135-mm f/3.5	Isco Telephoto	Manual	Exa, Exakta	Exakta Camera Co.	\$49.50
135-mm f/3.5	Isco Westanar	Click	Praktica	Praktica Camera Co.	\$69.50
135-mm f/3.5	Julpen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$49.95
135-mm f/3.5	Meyer Primotar	Preset	Praktica	Prakti Camera Co.	\$49.95
135-mm f/3.5	Miranda Automex	Automatic	Miranda Automex	Allied Impex Corp.	\$99.95
135-mm f/3.5	Schneider Tele-Xenar	Automatic	Pentacon, Pentax, Praktica	Burleigh Brooks, Inc.	\$149
135-mm f/3.5	Schneider Tele-Xenar	Preset	Exakta, Pentacon, Pentax, Praktica, Praktina	Burleigh Brooks, Inc.	\$119.50
135-mm f/3.5	Schneider Tele-Xenar LM	Automatic (has built-on meter provision)	Exa, Exakta	Exakta Camera Co.	\$149.50 (\$20 for meter)
135-mm f/3.5	Schneider Tele-Xenar Stopomatic	Automatic	Exakta	Burleigh Brooks, Inc.	\$164.50
135-mm f/3.5	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$59.95
135-mm f/3.5	Soligor-Miranda	Automatic	All Miranda cameras	Allied Impex Corp.	\$99.95

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LENS GUIDE (135-mm to 210-mm Long) *continued*

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
135-mm f/3.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$34.95
135-mm f/3.5	Steinheil	Automatic	Exakta	Olden Camera & Lens Co.	\$59.50
135-mm f/3.5	Super-Takumar	Automatic	Pentax	Honeywell Photographic Products	\$149.50
135-mm f/3.5	Super Yashinon	Preset	Models for Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$60
135-mm f/3.5	Takumar	Preset	Pentax	Honeywell Photographic Products	\$89.50
135-mm f/3.5	Tanar	Click	Contax, Leica, Nikon	Petri-Kine Camera Co.	\$79.50
135-mm f/3.5	Tele-Astra	Preset	Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$24.50
135-mm f/3.5	Telesar	Automatic	Exakta, Praktica	Masel Supply Co.	\$49.98
135-mm f/3.5	Telesar	Click	Exakta, Praktica	Masel Supply Co.	\$49.98
135-mm f/3.5	Telesar	Click	Canon, Leica	Masel Supply Co.	\$54.95
135-mm f/3.5	Miranda	Automatic	Miranda	Allied Impex Corp.	\$99.95
135-mm f/3.5	Nikkor	Automatic	Bronica S	Bronica	\$229.50
135-mm f/3.5	Nikkor	Click	Nikon S, S2, S3, SP	Nikon, Inc.	\$135
135-mm f/3.5	Petri-Orrikor	Automatic	Petri Flex V and 7	Fotochrome Inc.	\$84.95
135-mm f/3.5	Schacht Travegar	Automatic	Praktina FX	Prakti Camera Co.	\$99.50
135-mm f/3.5	Schacht Travenar	Automatic	Praktica	Prakti Camera Co.	\$79.95
135-mm f/3.5	Vivitar	Preset	Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya Prisma WP, Minolta SR, Miranda, Nikon F, Pentax, Petri Flex, Praktica, Yashica Pentamatic, via adapters	Ponder & Best, Inc.	\$50
135-mm f/3.5	Topcor	Preset	Beseler Topcon B, C and Super D	Charles Beseler Co.	\$109
135-mm f/3.5	Travenar	Automatic	Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$89.95
135-mm f/4	Agfa Color Telinear	Automatic	Agfaflex IV, V	Agfa Inc.	\$89
135-mm f/4	Elmar	Click	Leica M1, M2, M3; Visoflex	E. Leitz, Inc.	\$157.50; \$114 for Visoflex
135-mm f/4	Kodak Retina Tele-Xenar	Automatic	Retina Reflex III, IV, S; Retina IIIS	Eastman Kodak Co.	\$87.50
135-mm f/4	Meyer Domigor	Automatic	Pentina	Exakta Camera Co.	\$59.50
135-mm f/4	Rokkor	Preset	Minolta SR	Minolta Corp.	\$75
135-mm f/4	Sonnar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$159
135-mm f/4	Sonnar	Automatic	Exa, Exakta	Exakta Camera Co.	\$99.50
135-mm f/4	Schneider Tele-Xenar	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$219
135-mm f/4	Triotar	Preset	Exa, Exakta	Exakta Camera Co.	\$65
135-mm f/4	Voigtlander Super-Dynarex	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$89.95
135-mm f/4.5	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$34.25
135-mm f/4.5	Mamiya Sekor	Manual	Mamiya C2, C3	Mamiya	\$119.50
135-mm f/4.5	Soligor	Click	Argus C3 and Matchmatic	Allied Impex Corp.	\$49.95
135-mm f/4.5	Steinheil Culminar	Manual	Praktina FX	Prakti Camera Co.	\$43.95
135-mm f/4.5	Telesar	Click	Exakta, Praktica, Praktina	Masel Supply Co.	\$34.95
135-mm f/4.5	Travenon	Click	Exakta, Pentax, Praktica	Agof-Schacht Lens Corp.	\$39.95
135-mm f/4.5	Wirgar	Manual	Exa, Exakta	Exakta Camera Co.	\$39.95
150-mm f/1.8	Astro-Tachar	Click	Most 35mm, 2 1/4" SLRs, reflex housings via adapters	Ercona Corp.	\$495

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
150-mm f/2.2	Century Tele-Athenar	Manual	Various SLRs	Century Precision Optics	\$269.50
150-mm f/2.3	Astro-Tachar	Click	Most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$425
150-mm f/2.8	Alpa Kinoptik	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$399
150-mm f/2.8	Century Tele-Athenar	Manual	Various SLRs	Century Precision Optics	\$139.50
150-mm f/3.5	Kilfitt Kilar	Preset	For most 35-mm SLRs, Hasselblad 1000F, 1600F cameras via adapters	Kling Photo Corp.	\$164.50
150-mm f/4	Kaligar	Preset	Kalimar Reflex 660, SQ (adapter for Bronica, Hasselblad 1000F, 1600F, \$12.95 ea.)	Kalimar Inc.	\$99.50
150-mm f/4	Zeiss Sonnar	Automatic	Hasselblad 500 C	Paillard Inc.	\$394.50
150-mm f/4.5	Schneider Tele-Xenar	Click	Robot Star II	Karl Heitz, Inc.	\$179
150-mm f/5.5	Meyer Tele-Megor	Preset	Exa, Exakta	Exakta Camera Co.	\$49.50
150-mm f/5.6	Mamiya	Mamiya	Mamiya Press	Mamiya	\$169.50
180-mm f/2.5	Nikkor	Preset	Nikon S, S2, S3, SP; requires reflex housing	Nikon, Inc.	\$425
180-mm f/2.8	Tele-Isocarion	Preset	Exa, Exakta	Exakta Camera Co.	\$200
180-mm f/2.8	Isco Tele-Isocarion	Preset	Praktica	Prakti Camera Co.	\$200
180-mm f/2.8	Sonnar	Automatic	Exa, Exakta	Exakta Camera Co.	\$249.50
180-mm f/2.8	Sonnar	Preset	Exa, Exakta	Exakta Camera Co.	\$200
180-mm f/2.8	Sonnar	Automatic	Praktisix	Prakti Camera Co.	\$249.50
180-mm f/3.5	Meyer Primotar	Preset	Exa, Exakta	Exakta Camera Co.	\$79.50
180-mm f/3.5	Meyer Primotar	Preset	Praktica	Prakti Camera Co.	\$84
180-mm f/3.5	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$99.95
180-mm f/4.5	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$59.50
180-mm f/4.5	Actinar	Preset	Optika IIA and Professional	Aetna Optix	\$76.50
180-mm f/4.5	Agfa Color Telinear	Preset	Agfaflex IV, V	Agfa Inc.	\$164
180-mm f/4.5	Alpa Alitar	Automatic	Alpa Reflex	Karl Heitz, Inc.	\$199
180-mm f/4.5	Angenieux P21	Manual	Pentax, Praktica	Zoomar International, Inc.	\$105
180-mm f/4.5	Hexanon	Click	Koni-Omega Rapid	Konica Camera Corp.	\$199.50
180-mm f/4.5	Mamiya Sekor	Manual	Mamiya C2, C3	Mamiya	\$159.50
180-mm f/5.5	Tele-Astra	Preset	Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$32.50
200-mm f/3.2	Omnitar	Manual	Most 35-mm and 2¼ SLRs, via adapters	Birns & Sawyer Cine Equip.	\$255
200-mm f/3.5	Astro Telastan	Preset	35-mm, 2¼ SLRs, reflex housings, via adapters	Ercona Corp.	\$325
200-mm f/3.5	Auto Coligon	Automatic	Compatible with "T" system	Aetna Optix	\$115
200-mm f/3.5	Auto Rokkor	Automatic	Minolta SR	Minolta Corp.	\$199.50
200-mm f/3.5	Canon FL	Automatic	Canon FX	Bell & Howell	\$159.50
200-mm f/3.5	Canon M	Click	Canon 7. (Short mount, use with Canon MB-2 reflex housing)	Bell & Howell	\$210
200-mm f/3.5	Hexanon	Preset	Konica F, FP, FS	Konica Camera Corp.	\$199.95
200-mm f/3.5	Kalimar	Automatic	Compatible with "T" system	Kalimar Inc.	\$119.50
200-mm f/3.5	Komura	Preset	Bronica S	Komura	\$175
200-mm f/3.5	Komura	Preset	Alpa, Canon Reflex, Exakta, Konica, Minolta, Miranda, Nikon F, Pentax, Praktica, Petri Flex, Yashica Pentamatic, via adapters	Komura	\$125

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LENS GUIDE (135-mm to 210-mm Long) *continued*

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
200-mm f/3.5	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$67.50
200-mm f/3.5	Takumar	Preset	Pentax	Honeywell Photographic Products	\$189.50
200-mm f/3.5	Tele Rokunar	Preset	Compatible with "T" System	Aetna Optix	\$99.50
200-mm f/3.5	P&B Vivitar	Preset	Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya Prisma WP, Minolta SR, Miranda, Nikon F, Pentax, Petri Flex, Praktica, Yashica Pentamatic, via adapters:	Ponder & Best, Inc.	\$94.50
200-mm f/3.9	Accura Supertel	Preset	"T" system	Accura, Ltd.	\$89.95
200-mm f/3.9	Sunset	Preset	Compatible with "T" system	Intercontinental Marketing Corp.	\$96.90
200-mm f/4	Auto-Nikkor	Automatic	Bronica-S	Bronica	\$359.50
200-mm f/4	Auto Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$210
200-mm f/4	Telyt	Preset	Visoflex I, II, IIa, III housings	E. Leitz, Inc.	\$222
200-mm f/4	Topcor	Preset	Beseler Topcon B, C, and Super D	Charles Beseler Co.	\$235
200-mm f/4	Voigtlander Super-Dynarex	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$199.50
200-mm f/4.5	Aetna Coligon	Preset	Compatible with "T" system	Aetna Optix	\$59.50
200-mm f/4.5	Auto Yashinon	Automatic	Models for Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$110
200-mm f/4.5	Juplen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$59.95
200-mm f/4.5	Kalimar	Preset	Compatible with "T" system	Kalimar Inc.	\$59.95
200-mm f/4.5	Petri Orrikor	Preset	Petri Flex V and 7	Fotochrome Inc.	\$79.95
200-mm f/4.5	Ricoh Rikenon	Preset	Ricoh Singlex	Ricoh Co., Ltd.	\$179.50
200-mm f/4.5	Samigon	Preset	Compatible with "T" system	Samigon Corp.	\$59.95
200-mm f/4.5	Spiratone	Preset	"T" System	Spiratone, Inc.	\$32.95 to \$39.95
200-mm f/4.5	Steinheil	Preset	Exakta, Nikon F	Olden Camera & Lens Co.	\$69.50
200-mm f/4.5	Telesar	Preset	Adapters for all SLRs	Masel Supply Co.	\$47
200-mm f/4.5	Super Yashinon	Preset	Models for Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$110
200-mm f/4.8	Kodak Retina Tele-Xenar	Automatic	Retina Reflex III, IV, S	Eastman Kodak Co.	\$225
200-mm f/5	Rokkor	Preset	Minolta SR	Minolta Corp.	To be announced
200-mm f/5.5	Piesker	Preset	Adapters for all SLRs	Masel Supply Co.	\$50
200-mm f/5.5	Schneider Tele-Xenar	Preset	Exakta, Pentacon, Pentax, Praktica, Praktina	Burleigh Brooks, Inc.	\$134.50
200-mm f/5.5	Schneider Tele-Xenar	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$269
200-mm f/5.6	P&B Vivitar	Preset	Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya Prisma WP, Minolta SR, Miranda, Nikon F, Pentax, Petri Flex, Praktica, Yashica Pentamatic, via adapters	Ponder & Best, Inc.	\$90
200-mm f/5.6	Takumar	Preset	Pentax	Honeywell Photographic Products	\$119.50
210-mm f/2.8	Alpa Kinoptik	Manual	Alpa Reflex	Karl Heitz, Inc.	\$449
210-mm f/4.5	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$79.50
210-mm f/4.5	Actinar	Preset	Optika IIA and Professional	Aetna Optix	\$98.50
210-mm f/6.3	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$58.45

230-mm to 450-mm Extra Long (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
230-mm f/3.8	Century Tele-Athenar	Manual	Various SLRs	Century Precision Optics	\$169.50
240-mm f/4	Enna Tele-Ennalyt	Automatic (in Enna automatic mount)	Alpa, Edixa, Exa, Exakta, Miranda, Pentax, Praktica IV, Yashica J (Nikon F in 1965)	Geiss-America	\$129.50
240-mm f/4	Kaligar	Automatic	Kalimar Reflex 660, SQ (adapter for Bronica, Hasselblad 1000F and 1600F, \$12.95 ea.)	Kalimar Inc.	\$189.50
240-mm f/4	Kaligar	Preset	Kalimar Reflex 660, SQ (adapter for Bronica, Hasselblad 1000F, 1600F, \$12.95 ea.)	Kalimar Inc.	\$169.50
240-mm f/4.5	Enna Tele-Ennalyt	Preset	Praktina FX	Prakti Camera Co.	\$89.50
240-mm f/5.6	Novaflex Noflexar	Click	Bronica, Hasselblad on Follow Focus Pistol Grip	Burleigh Brooks, Inc.	\$130 (less pistol grip)
240-mm f/4.5	Novaflex Noflexar	Click	Alpa, Canonflex, Contarex, Exakta, Leica with reflex housing, Minolta SR, Miranda, Nikon F, Pentax, Petri, Praktica, Praktina, Yashica; also fits Novoflex-Follow-Focus	Burleigh Brooks, Inc.	\$167
250-mm f/4	Acall	Preset	Pentax, Praktica	Olden Camera & Lens Co.	\$51.75
250-mm f/4	Century Acall	Preset	Bronica	Century Precision Optics	\$129.50
250-mm f/4	Enna Tele-Ennalyt	Preset	Praktica	Prakti Camera Co.	\$89.50
250-mm f/4	Olympia Sonnar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$439
250-mm f/4.5	Follo-Focus	Preset	Exakta, Miranda, Praktica, Pentax, other SLRs	Sterling-Howard Corp.	\$58.95
250-mm f/4.5	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$139.95
250-mm f/5.5	Meyer Tele-Megor	Preset	Exa, Exakta	Exakta Camera Co.	\$79.50
250-mm f/5.5	Meyer Tele-Megor	Preset	Praktica	Prakti Camera Co.	\$79.50
250-mm f/5.6	Zeiss Sonnar	Automatic	Hasselblad 500C	Paillard Inc.	\$426.50
280-mm f/4.8	Telyt	Preset	Leitz Visoflex I, II, IIA, III	E. Leitz, Inc.	\$291
300-mm f/2.8	Topcor	Preset	Beseler Topcon B, C, and Super D	Charles Beseler Co.	\$615
300-mm f/3.2	Century Tele-Athenar	Manual	Compatible with "T" system	Century Precision Optics	\$369.50
300-mm f/3.5	Alpa Kinoptik	Manual	Alpa Reflex	Karl Heitz, Inc.	\$499
300-mm f/3.5	Auto Telestan	Click	Most 35-mm, 2 1/4 SLRs, reflex housings via adapters	Ercona Corp.	\$550
300-mm f/3.5	Omnitar	Manual	Fits most 35-mm, 2 1/4 SLRs via adapters	Birns & Sawyer Cine Equip.	\$559.50
300-mm f/4	Alpa Pan Tele-Kilar	Preset	Alpa Reflex	Karl Heitz, Inc.	\$449
300-mm f/4	Canon	Manual	Canon 7, (Short mount, use with Canon MB-2 reflex housing.)	Bell & Howell	\$321
300-mm f/4	Kilfitt Pan-Tele-Kilar	Preset	For most 35-mm SLRs, Hasselblad 1000F, reflex housings via adapters	Kling Photo Corp.	\$444.50
300-mm f/4	Sonnar	Preset	Exa, Exakta	Exakta Camera Co.	\$300
300-mm f/4	Takumar	Manual	Pentax	Honeywell Photographic Products	\$279.50
300-mm f/4.5	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$179.50
300-mm f/4.5	Auto-Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$279.50
300-mm f/4.5	Century Tele-Athenar	Manual	Adapters for most SLRs	Century Precision Optics	\$189.50

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LENS GUIDE (230-mm to 450-mm Extra Long) *continued*

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
300-mm f/4.5	Meyer Tele-Megor Preset		Exa, Exakta	Exakta Camera Co.	\$130
300-mm f/4.5	Meyer Tele-Megor Preset		Praktica, Praktisix	Prakti Camera Co.	\$129.50
300-mm f/4.5	Rokkor Preset		Minolta SR	Minolta Corp.	\$259.50
300-mm f/4.5	Steinheil Quinar Preset		Praktina	Prakti Camera Co.	\$199.50
300-mm f/4.5	Telesar Preset		Compatible with "T" system	Masel Supply Co.	\$109
300-mm f/5	Astro Fern Click		Most 35-mm, 2¼ SORs, reflex housings via adapters	Ercona Corp.	\$275
300-mm f/5	Komura Preset		Bronica S	Komura	\$195
300-mm f/5	Komura Preset		For use with Komura or Visoflex II reflex housing	Komura	\$137
300-mm f/5	Omnitar Manual		Fits most 35-mm, 2½ SLRs via adapters	Birns & Sawyer Cine Equip.	\$198
300-mm f/5	Schneider Tele-Xenar Click		Robot Royal 18s, 24s	Karl Heitz, Inc.	\$299
300-mm f/5.5	Accura Supertel Preset		"T" system	Accura, Ltd.	\$79.95
300-mm f/5.5	Juplen Preset		Compatible with "T" system	Petri-Kine Camera Co.	\$69.95
300-mm f/5.5	Petri-Orrikor Preset		Petri Flex V and 7	Fotochrome Inc.	\$115
300-mm f/5.5	Ricoh Rikenon Preset		Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$248.30
300-mm f/5.5	Samigon Corp. Preset		Compatible with "T" system	Samigon Corp.	\$96.95
300-mm f/5.5	Sunset Preset		Compatible with "T" system	Intercontinental Marketing Corp.	\$87.90
300-mm f/5.5	Super Yashinon Preset		Models for Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$140
300-mm f/5.5	Telesar Preset		Compatible with "T" system	Masel Supply Co.	\$57.50
300-mm f/5.6	Actinar Manual		Optika IIA and Professional	Aetna Optix	\$129.50
300-mm f/5.6	Kaligar Preset		Kalimar Reflex 660, SQ (adapter for Bronica, Hasselblad 1000F, 1600F, \$12.95 ea.)	Kalimar Inc.	\$229.50
300-mm f/5.6	Kaligar Automatic		Kalimar Reflex 660, SQ	Kalimar Inc.	\$249.50
300-mm f/5.6	Kalimar Preset		Compatible with "T" system	Kalimar Inc.	\$69.95
300-mm f/5.6	Kilfitt Tele-Kilar Preset		For most 35-mm, SLRs, and Hasselblad 1000F, 1600F and reflex housings via adapters	Kling Photo Corp.	\$197.50
300-mm f/5.6	Novoflex Noflexar Click		Alpa, Canonflex, Contarex, Exakta, Leica (with reflex housing), Minolta SR, Miranda, Nikon F, Pentax, Petri, Praktica, Praktina, Yashica, Novoflex-Follow-Focus, via adapters	Burleigh Brooks, Inc.	\$174
300-mm f/5.6	P&B Vivitar Preset		Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya Prisma WP, Minolta SR, Miranda, Nikon F, Pentax, Praktica, Petri Flex, Yashica Pentamatic, via adapters	Ponder & Best, Inc.	\$120
300-mm f/5.6	Sonnagar Preset		Compatible with "T" system	Wall St. Camera Exchange	\$59.95
300-mm f/5.6	Tele Rokunar Preset		Compatible with "T" system	Aetna Optix	\$89.95
300-mm f/5.6	Tele-Taikanar Preset		Compatible with "T" system	Seymour's Inc.	\$69.95
300-mm f/5.6	Topcor Preset		Beseler Topcon B, C, Super D	Charles Beseler Co.	\$202
300-mm f/6.9	Spiratone Click		"T" system	Spiratone, Inc.	\$34.95
350-mm f/5.6	Soligor Preset		Compatible with "T" system	Allied Impex Corp.	\$119.95
350-mm f/5.6	Voigtlander Super-Dynarex Automatic		Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm & Co.	\$300

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
360-mm f/5.5	Alpa Tele-Xenar	Preset	Alpa Reflex	Karl Heitz, Inc.	\$259
360-mm f/5.5	Schneider Tele-Xenar	Click	Robot Royal 18s, 24s	Karl Heitz, Inc.	\$359
360-mm f/5.5	Schneider Tele-Xenar	Preset	Exakta, Pentax, Praktica, Praktina	Burleigh Brooks, Inc.	\$244.50
385-mm f/4.5	Century Tele-Athenar	Manual	Compatible with "T" system; 2 1/4 x 2 1/4 model on order	Century Precision Optics	\$259.50 up
400-mm f/4	Alpa Tele-Kilar	Preset	Alpa Reflex	Karl Heitz, Inc.	\$489
400-mm f/4	Kilfitt Sport-Fern-Kilar	Preset	Fits most 35mm SLRs, and Hasselblad 1000F, 1600F via adapters	Kling Photo Corp.	\$484
400-mm f/4.5	Canon	Manual	Canon 7. (Short mount, use with Canon MB-2 reflex housing)	Bell & Howell	\$471
400-mm f/4.5	Enna Tele-Ennalyt	Preset	Praktica, Praktina	Prakti Camera Co.	\$146.75
400-mm f/4.5	Follo-Focus	Preset	Exakta, Miranda, Pentax, Praktica, Topcon, other SLRs	Sterling-Howard Corp.	\$78.95
400-mm f/4.5	Hexanon	Preset	Konica F, FP, FS	Konica Camera Corp.	\$399
400-mm f/4.5	Omnitar	Manual	Fits most 35-mm and 2 1/4 SLRs via adapters	Birns & Sawyer Cine Equip.	\$369
400-mm f/4.5	Piesker	Preset	Adapters for most SLRs	Masel Supply Co.	\$145
400-mm f/5	Astro-Berlin	Manual	Exakta, Miranda, Praktica, Pentax, other SLRs	Sterling-Howard Corp.	\$159.50
400-mm f/5	Astro Fern	Click	Fits most 35-mm, 2 1/4 SLRs, reflex housings via adapters	Ercona Corp.	\$375
400-mm f/5	Omnitar	Manual	Fits most 35-mm, 2 1/4 SLRs via adapters	Birns & Sawyer Cine Equip.	\$259
400-mm f/5	Telyt	Manual	For Visoflex I, II, IIA, III housings	E. Leitz, Inc.	\$498
400-mm f/5.5	Meyer Tele-Megor	Preset	Exa, Exakta	Exakta Camera Co.	\$139.50
400-mm f/5.5	Meyer Tele-Megor	Preset	Praktica	Prakti Camera Co.	\$139.50
400-mm f/5.5	Omnitar	Manual	Fits most 35-mm, 2 1/4 SLRs via adapters	Birns & Sawyer Cine Equip.	\$229.50
400-mm f/5.5	Soligor-Miranda	Preset	Compatible with "T" system	Allied Impex Corp.	\$229.95
400-mm f/5.6	Actinar	Manual	Optika IIA and Professional	Aetna Optix	\$196.25
400-mm f/5.6	Novoflex Nesting Tele	Click	Canon, Contax (with reflex housing), Exakta, Leica (with reflex housing), Minolta SR, Miranda, Nikon F, Pentax, Petri, Praktica, Praktina, Topcon, via adapters	Burleigh Brooks, Inc.	\$179 to \$222
400-mm f/5.6	Novoflex Noflexar	Click	Alpa, Canonflex, Contarex, Edixa, Exakta, Leica (with reflex housing), Minolta SR, Miranda, Nikon F, Novoflex-Follow-Focus, Pentax, Petri, Praktica, Praktina, Yashica, via adapters	Burleigh Brooks, Inc.	\$200
400-mm f/5.6	P&B Vivitar	Preset	Argus SLR, Canonflex, Exakta, Konica FS, Mamiya/Sekor CWP, Mamiya/Prismat WP, Minolta SR, Miranda, Nikon F, Pentax, Petri Flex, Praktica, Yashica Pentamatic, via adapters	Ponder & Best, Inc.	\$210
400-mm f/6.3	Juplen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$79.95
400-mm f/6.3	Komura	Preset	Bronica S	Bronica	\$220
400-mm f/6.3	Komura	Click	For use with Komura or Visoflex II reflex housing	Komura	\$159.50
400-mm f/6.3	Petri Orrikor	Preset	Petri Flex V and 7	Fotochrome Inc.	\$125.10

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LENS GUIDE (230-mm to 450-mm Extra Long) *continued*

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
400-mm f/6.3	Ricoh Rikenon	Preset	Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$304.70
400-mm f/6.3	Samigon	Preset	Compatible with "T" system	Samigon Corp.	\$104.95
400-mm f/6.3	Sonnagar	Preset	Compatible with "T" system	Wall St. Camera Exchange	\$59.95
400-mm f/6.3	Super Coligon	Preset	Compatible with "T" system	Aetna Optix	\$84.95
400-mm f/6.3	Super Yashinon	Preset	Penta J, J3, J5; Pentamatic	Yashica, Inc.	\$170
400-mm f/6.3	Tele-Amitar	Preset	Exakta, Miranda, Pentax, Praktica, Topcon, other SLRs	Sterling-Howard Corp.	\$49.85
400-mm f/6.3	Telesar	Preset	Adapters for most SLRs	Masel Supply Co.	\$68
400-mm f/6.9	Sunset	Preset	Compatible with "T" system	Intercontinental Marketing Corp.	\$93.90
400-mm f/6.9	Tamron	Preset	"T" system	Accura, Ltd.	\$84.95
400-mm f/6.9	Tamron Nestar	Preset	"T" system (collapsible mount)	Accura, Ltd.	\$69.95
400-mm f/7.5	Spiratone	Click	"T" system	Spiratone, Inc.	\$32.95 to \$39.95
450-mm f/8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$109.95

500-mm to 2,000-mm Big Bertha (24x36-mm Frame)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
500-mm f/4.5	Astro Telastan	Click	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$995
500-mm f/5	Astragon	Manual	Exakta, Miranda, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$256.75
500-mm f/5	Astro Fern	Click	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$550
500-mm f/5	Omnitar	Manual	Fits most 35-mm, 2¼ SLRs via adapters	Birns & Sawyer Cine Equip.	\$695
500-mm f/5	Takumar	Manual	Pentax	Honeywell Photographic Products	\$350
500-mm f/5.6	Alpa Kinoptik	Manual	Alpa Reflex	Karl Heitz, Inc.	\$549
500-mm f/5.6	Novoflex Noflexar	Click	Bronica, Hasselblad, on Follow Focus pistol grip	Burleigh Brooks, Inc.	\$415, less pistol grip
500-mm f/7	Komura	Preset	Bronica S	Komura	\$250
500-mm f/7	Komura	Click	For Komura, Visoflex II reflex housings	Komura	\$197.50
500-mm f/8	Aetna Coligon		Compatible with "T" system	Aetna Optix	\$119.50
500-mm f/8	Juplen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$99.95
500-mm f/8	Kalimar	Click	Compatible with "T" system	Kalimar Inc.	\$129.50
500-mm f/8	Samigon	Click	Compatible with "T" system	Samigon Corp.	\$119.95
500-mm f/8	Zeiss Tele-Tessar	Automatic	Hasselblad 500C	Paillard, Inc.	\$727.50
600-mm f/5	Astragon	Manual	Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$393.75
640-mm f/5	Astro Fern	Manual	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$950
600-mm f/5	Omnitar	Manual	Fits most 35-mm, 2¼ SLRs via adapters	Birns & Sawyer Cine Equip.	\$695
600-mm f/5.6	Alpa Tele-Kilar	Preset	Alpa Reflex	Karl Heitz, Inc.	\$619
600-mm f/5.6	Auto-Tele Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$650

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
600-mm f/5.6	Canon	Manual	Canon 7. (Short mount, use with Canon MB-2 reflex housing)	Bell & Howell	\$550
600-mm f/5.6	Enna Tele-Ennalyt	Click	Exa, Exakta	Exakta Camera Co.	\$234
600-mm f/5.6	Enna Tele-Ennalyt	Click	Praktica, Praktina	Prakti Camera Co.	\$234
600-mm f/5.6	Kilfitt Sport-Fern-Kilar	Preset	Fits most 35-mm, 2¼ SLRs via adapters	Kling Photo Corp.	\$599.50
600-mm f/5.6	Rokkor	Preset	Minolta SR	Minolta Corp.	\$589.50
650-mm f/6.3	Century Tele-Athenar	Manual	Compatible with "T" system, 2¼ models on order	Century Precision Optics	\$335 up
600-mm f/8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$249.50
600-mm f/8	Tele-Amitar	Preset	Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$129.85
640-mm f/9	Novoflex Nesting Tele	Click	Canon, Contax (with housing), Edixa, Exakta, Leica (with reflex housing), Minolta SR, Miranda, Nikon F, Pentax, Petri, Praktica, Praktina, via adapters	Burleigh Brooks, Inc.	\$243 to \$286
640-mm f/9	Novoflex Noflexar	Click	Alpa, Canonflex, Contarex, Exakta, Leica (with reflex housing), Minolta SR, Miranda, Nikon F, Novoflex-Follow-Focus, Pentax, Petri, Praktica, Praktina, Yashica, via adapters	Burleigh Brooks, Inc.	about \$268
800-mm f/5	Astragon	Manual	Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$522.75
800-mm f/5	Astro Fern	Manual	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$1,195
800-mm f/5	Omnitar	Manual	Fits most 35-mm, 2¼ SLRs via adapters	Birns & Sawyer Cine Equip.	\$1,095
800-mm f/8	Auto-Tele Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$750
800-mm f/8	Canon	Manual	Canon 7. (Short mount; use with Canon MB-2 reflex housing)	Bell & Howell	\$650
800-mm f/8	Hexanon	Manual	Konica F, FP, FS	Konica Camera Co.	\$620
800-mm f/8	Komura	Click	For use with Komura and Visoflex II reflex housings	Komura	\$727.50
800-mm f/8	Soligor	Preset	Compatible with "T" system	Allied Impex Corp.	\$349.50
800-mm f/8	Super-Amitar	Preset	Exakta, Miranda, Nikon F, other SLRs.	Sterling-Howard Corp.	\$195
1,000-mm f/4.5	Omnitar	Manual	Fits most 35-mm, 2¼ SLRs via adapters	Birns & Sawyer Cine Equip.	\$3,195
1,000-mm f/6.3	Astragon	Manual	Astraflex 1000, Exakta, Pentax, Praktica, other SLRs	Sterling-Howard Corp.	\$722.25
1,000-mm f/6.3	Astro Fern	Manual	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$1,395
1,000-mm f/6.3	Century Tele-Athenar	Manual	Compatible with "T" system. 2¼ models on order	Century Precision Optics	\$795
1,000-mm f/6.3	Omnitar	Manual	Fits most 35-mm, 2¼ SLRs via adapters	Birns & Sawyer Cine Equip.	\$1,195
1,000-mm f/8	Takumar	Manual	Pentax	Honeywell Photographic Products	\$1,195
1,000-mm f/11	Canon	Manual	Canon 7. Short mount, use with Canon MB-2 reflex housing	Bell & Howell	\$750
1,200-mm f/11	Auto Tele Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$950
2,000-mm f/10	Astro Telestan	Manual	Fits most 35-mm, 2¼ SLRs, reflex housings via adapters	Ercona Corp.	\$4,500

Interchangeable Front Component

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
30-mm f/4	Zeiss Pantar	Automatic	Contaflex Alpha, Beta, Prima; Contina III; Contina-Matic III	Carl Zeiss, Inc.	\$82
35-mm f/3.2	Zeiss Pro-Tessar		Contaflex III, IV, Super, Super B	Carl Zeiss, Inc.	\$84.50
35-mm f/4	Fujinon	Automatic	Fujicarex II	Fuji Photo Optical Products, Inc.	\$59.95
75-mm f/4	Zeiss Pantar	Automatic	Contaflex Alpha, Beta, Prima; Contina III, Contina-Matic III	Carl Zeiss, Inc.	\$86
80-mm f/2.8	Fujinon	Automatic	Fujicarex II	Fuji Photo Optical Products, Inc.	\$79.95
85-mm f/3.2	Zeiss Pro-Tessar	Automatic	Contaflex III, IV, Rapid, Super, Super B	Carl Zeiss, Inc.	\$89.95
115-mm f/4	Zeiss Pro-Tessar	Automatic	Contaflex III, IV, Rapid, Super, Super B	Carl Zeiss, Inc.	\$96

Dual Focal Length

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
135-mm f/2.8 and 225-mm f/4.5	Converto Sonnar	Preset	Compatible with "T" system. Price includes focal length converter.	Wall St. Camera Exchange	\$69.50
135-mm f/2.8 and 225-mm f/5.5	Converto-Tamron	Preset	"T" system. Price includes focal length converter.	Accura, Ltd.	\$99.95
135-mm f/2.8 and 225-mm f/5.5	Two-in-One Converto	Preset	Compatible with "T" system. Price includes focal length converter.	Aetna-Optix	\$100

Zoom

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
36 → 82-mm f/2.8	Voigtlander Zoomar	Automatic	Voigtlander Bessamatic, Bessamatic Deluxe, Ultramatic	H. A. Bohm, Inc.	\$298
36 → 82-mm f/2.8	Voigtlander Zoomar	Automatic	Alpa, Exakta, Minolta SR, Nikon Reflex, Pentax	Zoomar International, Inc.	\$318
43 → 86-mm f/3.5	Auto-Zoom Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$169.50
50 → 90-mm f/3.5	Zuiko Auto Zoom	Automatic	Olympus Pen F (half-frame)	Scopus Inc.	\$159.95
50 → 100-mm f/3.5	Auto Zoom Rokkor	Automatic	Minolta SR, 1, 2, 3, 7	Minolta Corp.	To be announced
50 → 200-mm f/3	Angenieux	Preset	Alpa (on special order)	Karl Heitz, Inc.	\$1,995

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
55 → 135-mm f/3.5	Canonmatic	Preset	Canonflex FX (fits other model Canonflexes for manual operation)	Bell & Howell	\$299.50
80 → 160-mm f/3.5	Auto Zoom Rokkor	Automatic	Minolta SR, 1, 2, 3, 7	Minolta Corp.	\$429.50
85 → 250-mm f/4	Auto-Nikkor Zoom	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$515
85 → 250-mm f/4	Alpa Enna Zoom	Preset	Alpa	Karl Heitz, Inc.	\$299
85 → 250-mm f/4	Enna Zoom	Preset	Praktina FX	Prakti Camera Co.	\$219.50
85 → 250-mm f/4	Enna Tele-Zoom	Preset	Alpa, Exakta, Miranda, Pentax, Praktica IV, Yashica J (Nikon F in 1965)	Geiss-America	\$249.50
85 → 250-mm f/4	Enna Tele-Zoom	Preset	Exa, Exakta	Exakta Camera Co.	\$219.50
90 → 190-mm f/5.8	Super Yashinon	Preset	Canonflex, Exa, Exakta, Minolta SR, Nikon F, Nikkorex F, Yashica Pentamatic, Penta J, via adapters	Yashica, Inc.	\$130, adapters \$7 ea.
90 → 190-mm f/5.8	Zoom Rikenon	Preset	Ricoh Singlex	Ricoh Industries, U.S.A., Inc.	\$309.70
100 → 200-mm f/4.5	Juplen	Click	Compatible with "T" system	Petri-Kine Camera Co.	\$119.95
100 → 200-mm f/5.6	Kaligar	Preset	Compatible with "T" system	Kalimar Inc.	\$99.50
100 → 200-mm f/5.6	Juplen	Preset	Compatible with "T" system	Petri-Kine Camera Co.	\$99.95
100 → 200-mm f/5.6	Soligor Miranda	Preset	Miranda, (adapters available for other 35-mm SLRs)	Allied Impex Corp.	\$179.50
105 → 175-mm f/5.6	Soligor Miranda	Preset	Miranda (adapters available for other 35-mm SLRs)	Allied Impex Corp.	To be announced
110 → 180-mm f/4.5	Sun Zoom	Preset	"T" system	Accura, Ltd.	\$149.95
160 → 500-mm f/8	Auto Zoom Rokkor	Automatic	Minolta SR, 1, 2, 3, 7	Minolta Corp.	\$749.50
200 → 600-mm f/9.5	Auto-Zoom Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$515

Special Types

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
8-mm f/8	Fisheye Nikkor	Click	Nikon F (mirror is locked up)	Nikon, Inc.	\$479.50, with finder
18-mm f/11	Fisheye Takumar	Click (Waterhouse stops)	Pentax	Honeywell Photographic Products	\$159.50
35-mm f/3.5	Perspective Control Nikkor	Preset	Nikkorex F, Nikon F (lens has view camera movements)	Nikon, Inc.	\$249.50
200-mm f/5.6	Medical Nikkor	Automatic	Nikkorex F, Nikon F. (Has built-in electronic flash ring; data recording—exposing mechanism. Flash exposure automatically calculated and set for each close-up working distance.)	Nikon, Inc.	\$599.50

Mirror Optics

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
500-mm f/4	Zeiss Jena Catoptric	None	Adapters for most 35-mm, 2¼ SLRs	Ercona Corp.	\$1,275
500-mm f/4	Zeiss Jena Catoptric	None	Adapters for most 35-mm and 2¼ SLRs	Ercona Corp.	\$1,395
500-mm f/4.5	Mirotar	None	Contarex, Contarex Special	Carl Zeiss, Inc.	\$1,240
500-mm f/5	Reflex Nikkor	None	Nikkorex F, Nikon F	Nikon, Inc.	\$530
1,000-mm f/5.6	Mirotar	None	Contarex, Contarex Special	Carl Zeiss, Inc.	\$3,640
1,000-mm f/5.6	Zeiss Jena Catoptric	None	Adapters for most 35-mm and 2¼ SLRs	Ercona Corp.	\$1,895
1,000-mm f/6.3	Reflex Nikkor	None	Nikkorex F, Nikon F	Nikon, Inc.	\$1,750
20-in. f/4	Reflectar	None	Adaptable to most SLRs; reflex housings at extra cost	Zoomar International, Inc.	\$1,500
40-in. f/8	Reflectar	None	Adaptable for most SLRs; reflex housings at extra cost	Zoomar International, Inc.	\$1,200
80-in. f/15	Reflectar	None	Adaptable for most SLRs; reflex housings at extra cost	Zoomar International, Inc.	\$1,700
100-in. f/20	Reflectar	None	Adaptable for most SLRs; reflex housings at extra cost	Zoomar International, Inc.	\$2,000
150-in. f/25	Reflectar	None	Adaptable for most SLRs; reflex housings at extra cost	Zoomar International, Inc.	\$3,200

Macro Lenses (focusing closer than 12 inches)

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
25-mm f/3.5	Alpa Zeiss Luminar	Manual	Alpa Reflex (for use on extensions)	Karl Heitz, Inc.	\$119
35-mm f/3.5 (2¼ in.)	Novoflex Noflexar	Preset	Exa, Exakta, Pentax, Praktica	Burleigh Brooks, Inc.	\$99.50
35-mm f/3.5	Spiratone Macro	Click	"T" system (for use on extensions)	Spiratone, Inc.	\$13.95
40-mm f/2.8 (1:1.1)	Alpa Makro-Kilar D	Preset	Alpa Reflex	Karl Heitz, Inc.	\$139.50
40-mm f/2.8 (1:2)	Alpa Makro-Kilar E	Preset	Alpa Reflex	Karl Heitz, Inc.	\$119.50
40-mm f/2.8 (1:1.1)	Makro-Kilar D	Preset	Most 35-mm SLRs via adapters	Kling Photo Corp.	\$139.50
40-mm f/2.8 (1:2)	Makro-Kilar E	Preset	Most 35-mm SLRs via adapters	Kling Photo Corp.	\$119.50
50-mm f/1.8 (7 in.)	Alpa Macro-Switar	Automatic	Alpa	Karl Heitz, Inc.	\$209
50-mm f/2.8 (1:1)	Macro-Extenar	Manual	Exa, Exakta (lens head removes to mount on extension)	Exakta Camera Co.	\$79.95; \$39.95 for use with extensions, without focusing mount

FOCAL LENGTH, APERTURE	NAME	DIAPHRAGM	FITS CAMERAS	DISTRIBUTOR	PRICE
50-mm f/2.8 (1:1)	M Travenar	Preset	Exakta, Pentax, Praktica (lens head removes to mount on extension)	Agof-Schacht	\$89.95
50-mm f/2.8 (1:1)	Zeiss Pro-Tessar M 1:1	Automatic	Contaflex III, IV, Rapid, Super, Super B (lens component)	Carl Zeiss, Inc.	\$59
50-mm f/3.5 (1:1)	Macro Rokkor	Preset	Minolta SR, 1, 2, 3, 7	Minolta Corp.	\$105.50
50-mm f/4 (1:1.3 to 1:2.8)	S-Planar	Automatic	Contarex, Contarex Special	Carl Zeiss, Inc.	\$259
55-mm f/3.5 (1:1)	Auto-Micro Nikkor	Automatic	Nikkorex F, Nikon F	Nikon, Inc.	\$189.50
90-mm f/2.8 (1:1 on 35-mm; 1:1.7 on 2 1/4 x 2 1/4)	Makro-Kilar	Preset	Most 35-mm SLRs and Hasselblad 1000F, 1600F via adapters	Kling Photo Corp.	\$199.50
105-mm f/3.5	Schacht Travegar	Click	Praktica; short mount, for extensions	Prakti Camera Co.	\$37.95
105-mm f/3.5	Tele-Astra	Preset	Astraflex 1000, Exakta, Miranda, Pentax, Praktica, most other SLRs	Sterling-Howard Corp.	\$21.95
115-mm f/3.5	Zeiss Tessar	Preset	Contarex, Contarex Special; for use on Contarex extension bellows	Carl Zeiss, Inc.	\$249
135-mm f/3.5	Soligor	Preset	All Mirandas (barrel mount, for extensions)	Allied Impex Corp.	\$49.95
135-mm f/4	Nikkor	Preset	Nikkorex F, Nikon F (short mount, for extensions)	Nikon, Inc.	\$125
135-mm f/4	Rokkor TC	Preset	Minolta SR (short mount, for extensions)	Minolta Corp.	\$49.50
150-mm f/4.5	Spiratone Short Mount	Click	"T" system (for use on extensions)	Spiratone, Inc.	\$29.95

WHAT LENS FOR WHAT CAMERA?

EXAKTA BAYONET MOUNT

EXA, EXAKTA, TOPCON, GM REFLEX, CARAFLEX and the Olden import MAMIYA PRISMAT have Exakta-type bayonet lens mounts.

PRESET LENSES: Most preset, click-stop, and manual lenses with Exakta-type fitting can be used on the above named cameras with little or no trouble.

AUTOMATIC LENSES: These can be used automatically only if specifically designed for a particular camera. Thus for example, automatic lenses for the Exa and Exakta can only be used automatically in a convenient manner on these cameras; on another camera with Exakta-type mount the operation becomes manual. Similarly Topcon, GM Reflex, Caraflex, and Mamiya Prisma lenses may only be worked automatically on their respective cameras.

SPECIAL PROBLEMS: Zeiss Jena automatic Exakta lenses will not seat properly

on the Topcon C and Super D. A protrusion on the rear of the Zeiss external automatic mechanism interferes with portions of the lens mounts of these cameras.

Lenses from the Topcon C and Super D will not fit Exakta and Exa cameras unless the knob on the latch is filed down or removed.

Automatic lenses from the Olden import Mamiya Prisma have an external automation arm which prevents their mounting on cameras other than the Prisma.

The lenses from the GM 35 SLR and Caraflex will not fit other Exakta-type mount cameras without adjustment.

EXAKTA OUTER BAYONET MOUNT: Late model Exakta, Exa II, and Exa IIb cameras have an outer as well as an inner bayonet mount fitting. This permits making the inner rear mount diameter of long telephoto lenses larger to prevent vignetting. Certain lenses supplied by Exakta and others to mount on this outer bayonet mount will not fit inner Exakta bayonets of any make. They will however also fit the AXM Exakta adapter for the Miranda (see Exakta adapters).

LENSES FOR THE EXA: Exa II, IIa take all lenses intended for use on the Exakta. Exa 1, 1a and 1b have a protrusion on the shutter mechanism that can cause image cutoff with lenses or extensions longer than 100-mm. About 1/8-inch of the top of the image blacks out; this doesn't show on the groundglass, but does take place on the film. However, certain true telephoto lenses up to 135-mm work without image cutoff on these cameras. You can check this by setting the shutter on B and holding it open with a locking cable release, placing a groundglass or waxed paper in the film plane, and observing the image. A check should be made at both the largest and smallest apertures.

EXAKTA ADAPTERS: The following cameras may be fitted with factory supplied Exakta adapters: ALPA, CANONFLEX, KONICA, MINOLTA, MIRANDA, YASHICA PENTAMATIC.

Automatic lenses must be used manually with these adapters. An exception is the Miranda AXM adapter which allows the use of automatic Exakta lenses for automatic operation on all Mirandas. The lens is mounted upside down. However, the automatic Zeiss Jena Exakta lenses will not seat properly in the AXM adapter due to a protrusion on the rear of external automatic mechanism. *Note:* The AXM adapter has an outer as well as an inner bayonet mount, and will take Exakta and other lenses fitted for outer bayonet mount use.

MIRANDA LENS ADAPTERS

This is the camera that started the lens adapter trend. When the Miranda first hit the American market, photographers were delighted to find that not only could you use Miranda lenses, but that Exakta-type and Pentax/Praktica-type lenses could also be fitted. In addition there were adapters for Leica, Contax, and Nikon rangefinder lenses, provided you didn't wish to focus on infinity. Today this Miranda tradition continues. In addition, many other SLR makers have followed suit and offer adapters, as indicated on these pages.

MIRANDA LENS MOUNTS

Miranda cameras all have both an inner screw thread and an outer bayonet.

SCREW THREAD lenses fit all Miranda models.

EXTERNALLY AUTOMATED lenses also fit all Miranda cameras and work automatically.

AUTOMEX LENSES will fit all Miranda cameras, but the automatic diaphragm will work only when these lenses are used on the Automex I or II.

MIRANDA F lenses will fit all Miranda cameras but the diaphragm will work automatically only on the Miranda F.

PENTAX/PRAKTICA THREAD MOUNT

There's an enormous list of cameras that have a thread mount of this type. In part, there are the following: PENTAX, PRAKTICA, EDIXAMAT, ASTRAFLEX 1000, HEXACON, PENTACON, PENTACON F and FB, CONSOL, CONTAX D AND S, YASHICA PENTA J, J3, J5, and so on.

PRESET, CLICK-STOP, and MANUAL lenses with this type of thread should interchange with little or no trouble and be usable in the conventional manner.

AUTOMATIC LENSES: Certain of these cameras such as Pentax, Praktica IV, Pentacon F, Astraflex 1000, Yashica, Penta J, J3, J5, and Edixamat have built-in diaphragm automation. Latter operates by means of pin on the back of each automatic lens being actuated by a lever or bar inside the camera. While the mechanism in all these cameras is quite similar, it does not necessarily follow that the automatic lens from one of these cameras will work automatically or properly in another make of camera. This is due to the differences in seating of lenses, position and shape of release bars, and pins on the lenses from one make of camera to the other. In general Edixamat, Pentacon, and Praktica automatic lenses are mutually interchangeable. In the Pentax group most lenses interchange with no trouble. However some early normal Pentax automatic lenses do not work well with the Pentax H3v. If the camera has a red R on the rewind knob then no trouble should be experienced. If there is a green R then the lens serial number must be higher than 452,500 to operate properly.

PRAKTICA/PENTAX ADAPTERS: These are supplied for Minolta SR, Yashica Pentamatic, Alpa, Petriflex, Konica, Miranda.

PRESET, CLICK-STOP, AND MANUAL lenses operate as usual with these.

AUTOMATIC LENSES operate manually.

PRAKTINA FX and IIA

PRESET, CLICK-STOP, AND MANUAL lenses for these are fully interchangeable.

AUTOMATIC lenses for the FX will fit the IIA and vice versa, but will operate properly only in the respective cameras for which they were designed.

NIKON F, NIKKOREX F, and RICOH SINGLEX

PRESET, CLICK-STOP, AND MANUAL lenses having this type of mount may be used in the usual manner on all these cameras.

AUTOMATIC lenses for the Nikkorex F and Nikon F are mutually interchangeable.

NIKKOR lenses for the Nikon F and Nikkorex F fit the Ricoh bayonet mount. The Singlex lens fits the Nikkorex F body but requires fitting to work on the Nikon F.

CANON FX and CANONFLEX RM

AUTOMATIC lenses for the Canon FX will fit the Canonflex RM and older Canonflex cameras and vice versa. However the automation won't work when this is done.

PRESET, CLICK-STOP, AND MANUAL lenses are, however, fully mutually interchangeable among these cameras.

continued on next page

PETRI FLEX V and 7

Petri Flex V and 7 cameras have a bayonet mount. Older and other model Petri SLR's have a Praktica/Pentax mount. An adapter is supplied for the Petri Flex V and 7 models, that will accommodate Praktica/Pentax-type lenses.

BESELER TOPCON LENSES

EXTERNALLY AUTOMATED lenses from the Topcon B will work automatically with the Model C, but modification of the release button is required to make them work properly with the Model D. In the D the release button is located slightly farther away from the release arm of the B lenses.

INTERNAL DIAPHRAGM AUTOMATION of Model C lenses works properly on the Model D camera, and vice versa. However the diaphragm scale markings of the C lens runs from right to left while those of the D run from left to right. For this reason C lenses will not operate the D's exposure automation properly. However, C lenses can be factory modified to work on the Model D. They then will continue to function properly for use on the Model C as well.

C and D lenses may be used on the Model B as manual-diaphragm lenses.

PRESET LENSES: Beseler Topcon preset lenses generally fit most Exakta-type mounts with little or no trouble.

LENS SYSTEMS

KILFITT SYSTEM: The first system that let the photographer use the same lens on a variety of 35-mm and 2¼ SLRs and on reflex housings. This versatile and complex system is fully described in *An Updated View of The Kilfitt System* by Norman Rothschild in the January 1964 issue of POPULAR PHOTOGRAPHY.

"T" SYSTEM: Throughout the listings you will find lenses that fit several cameras via adapters. These adapters may be mutually interchangeable if they fit into the "T" system. This terminology was introduced by Accura, Ltd. and is used in the DIRECTORY in referring to Accura and Spiratone lenses. All others are marked "compatible with T system." The cameras that can be fitted with "T" or similar adapters include Alpa, Exakta, Exa, Topcon, Mamiya (Olden), Praktica, Pentax, Pentacon, Edixamat, Minolta SR, Miranda, Yashica Pentamatic, Canonflex, Nikon F, Nikkorex F, Ricoh Singlex, Konica F, FS, and FP, Praktina, Petri Flex, Argus SLR, Leica screw mount (uncoupled), and Olympus Pen F.

ENNA SYSTEM: Mounts which contain the automatic diaphragm mechanism are supplied for Alpa, Edixa, Exakta, Exa, Pentax, Miranda, Praktica IV, Nikon F (1965) cameras. Each Enna lens slips and locks into this mount. Once a mount has been purchased for a particular camera it is only necessary to buy the desired lens elements. These elements will fit any of the camera mounts shown above.

Prices shown in listings refer to lens elements only. Cost of each mount, \$59.50.

OTHER SYSTEMS include those of Piesker, Omnitars, Century, Telesar, and others.

LENSES FOR SPECIAL CAMERAS such as Korelle Reflex, Exakta 66, Master Reflex, Primareflex, and many others are not shown in this listing. However, companies such as Burke & James, Century Precision Optics, and others often have lenses that are fitted for or may be custom fitted to these and other cameras. If you have a special fitting job, or lens requirement, these concerns may be able to help you—as may your local camera repair or optical shop.

ENLARGERS

ACCURA



P 35

Vertical; takes film sizes from sub-miniature to 35-mm; condenser illumination system; accepts No. 211 75-watt lamp; line voltage, 110; convection-cooled; 2-in. Accura $f/4.5$ lens, stopping down to $f/16$, with click stops; 12X enlargement on baseboard with normal lens; rack-and-pinion focusing; metal film carrier; film advance without removing roll; lamp-housing tilts for bigger enlargement; built-in focusing filter; control switch on line cord; wooden storage case acts as baseboard; two-piece pole; unit converts for copying. Price, with lens and 8x10 metal easel, \$69.95. Accessory 1-in. lens available.

P 356

Similar to Accura P 35 but takes films up to $2\frac{1}{4} \times 2\frac{1}{4}$; 3-in. lens; 7X enlargement on baseboard with 3-in. lens. Price, with lens, 8x10 metal easel, 35-mm and $2\frac{1}{2} \times 2\frac{1}{4}$ carriers, \$99.95. Accessory 1- and 2-in. lenses available. DIST., Accura, Ltd.

AGFA



VARIOSCOPI 60

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; condenser system; 150- and 250-watt opal lamps, 75-watt enlarging lamp; 110, 220 volts; 10.5- and 6-cm Agfa Magnolan $f/4.5$ coated lenses, with click stops down to $f/22$; up to 12.2X enlargement with 6-cm

lens; micrometer and auto-focusing; glass sandwich, metal, and combination carriers; provision against Newton's rings; moving mask band for three film sizes; film advances without removing roll; lamp housing tilts to permit bigger enlargements; built-in red filter; built-in masking device; control switch on board. Price with two lenses, \$495. Illuminated magnification scale, storage box, enlargement easel, extension unit, masks, protective cover, and Agfa Color-head with continuous density control available as accessories.



VARIOSCOPI 35/44

Takes negative sizes from 24×24 -mm to super-slide on 120 film; 150-watt opal lamp; condenser illumination; 110 volts; 60-mm Solagon D II $f/4.5$ lens; click stops to $f/22$; micrometer focusing, auto-focus; combination sliding negative carrier with provision against Newton's rings; film advance without removing roll; lamp housing swings for bigger enlargements; three masks; control and film transport switch on board; magnification lever, with clutch; built-in red filter. Price, with lens, \$229.50. Accessories: single negative carrier, \$33; $2\frac{1}{4} \times 2\frac{1}{4}$ filter drawer for color work, \$27; color head for continuous filter control, \$324; color head adapter ring, \$10.50; additional condenser for color head, \$9; cover, \$4.95; negative reading light or illuminated scale indicator, \$16.50 each. DIST., Agfa Inc.

ANSCO



ENLARGER PRINTER

Horizontal; fixed-size enlargements; accepts 35-mm, 126, 127 negatives;

50-watt bulb. Price, with 25 sheets $3\frac{1}{2} \times 5$ -in. Jet G1 No. 2 single-weight paper, \$19.95; also available in outfit with film developing equipment, \$29.95.

MFR., Ansco Products

BACO

41

Vertical and horizontal; takes film sizes from 35-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; condenser illumination; uses No. 211 or 212 standard enlarger bulbs; ventilated; 110 volts; accepts 2-, 3-, $3\frac{1}{2}$ -in. lenses; rack-and-pinion focusing; glass sandwich, metal, or Bakelite negative carrier; switch on cord; rotating negative carrier; snap-lock permits head to be swung for bigger enlargements. Price, \$49.50 list (or \$29.50 net) without lens.

DIST., Baco Accessories Co.

BESELER



23 C-II

Vertical; takes film sizes from 8-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; condenser system; 75-watt lamp; 115 volts; convection cooling; accepts lenses from 1- to 4-in. focal length; rack-and-pinion focusing; metal negative carrier; provision against Newton's rings; mask for $2\frac{1}{4} \times 3\frac{1}{4}$ film; film advance without removing roll; lamp housing tilts to permit bigger enlargements; built-in filter for focusing; lamp switch on cord; condenser accepts all film sizes without changing. Price, with lens board, $2\frac{1}{4} \times 2\frac{1}{4}$ film carrier, lamp, \$146.75 (\$151.75, Denver West), without lens; Dream Darkroom Kit contains 23C enlarger, 4-in. Beslon lens, roll-film developing tank, 8x10 easel, interval timer, $2\frac{1}{4} \times 2\frac{1}{4}$, $2\frac{1}{4} \times 3\frac{1}{4}$, and 35-mm negative carriers, set of Varigam filters, enlarger cover, Varigam paper, three 8x10 trays, blotters, thermometer, darkroom bulb, film clips, film squeegee, graduate, print tongs, and chemicals. Price, \$204.95 (\$209.95, Denver West).

continued on next page

ENLARGERS

continued



45 M

Vertical; takes film sizes from 8-mm to 4x5; condenser system; 75- or 150-watt lamp; 110 volts; (electric motor drives lamp house up or down) convection cooling; accepts lenses from 1- to 8 1/4-in. focal length; rack-and-pinion focusing; provision against Newton's rings; mask for 4x5 film; film advance without removing roll; lamp housing tilts to permit bigger enlargements; lens-tilt distortion control; built-in filter for focusing; lamp switch on cord; condenser accepts all film sizes without changing. Price with lens board and negative carrier, \$269 (\$279, Denver West), without lens. Accessory Beseler-Agfa Colorhead converts enlarger to continuous color filtration; price, \$450 (\$455, Denver West).

45 M-X

Similar to above but with rear triangular truss support. Price, \$291, (\$301, Denver West).

45 MB

Similar to model 45 M; cold-cathode illumination (no ventilating required); 110 volts, a.c. Price, with lens board and negative carrier, \$269 (\$279, Denver West), without lens.

45 MB-X

Similar to 45 MB but with rear triangular truss support. Price, \$291 (\$301, Denver West).

45 MCR

Similar to model 45 M but is 110-120 volts; motor elevation; color head Resistrol. Price, with lens board and negative carrier, \$307.75 (\$317.75, Denver West), without lens.

45 MCR-X

Similar to models 45 M and 45 MCR but features rear triangular truss support, clear access across the baseboard. Price, with lens board and negative carrier, \$332.75 (\$342.75, Denver West), without lens.

45AFM

Vertical and horizontal; for film sizes from 35-mm to 4x5; two-condenser system; 150-watt opal lamp; 115 volts, a.c.-d.c.; convection cooled; accepts 50-, 90-, or 135-mm lenses; auto-focusing; metal negative carrier; tilting lamp housing; focusing filter; motor control on baseboard; no changing of condensers. Price, without lens, \$475 (\$484, Denver West). Accessory Beseler-Agfa Colorhead



converts enlarger to continuous color filtration; price, \$450 (\$455, Denver West). Other accessories available.

45AF

Similar to above but without motor. Price, \$395 (\$404, Denver West).

45H

Vertical and horizontal; for film sizes to 4x5; two-condenser system; 75-watt opal lamp (accepts 150-watt also); 115 volts, a.c.-d.c.; convection cooled; rack-and-pinion focusing; metal negative carrier; distortion control at lens stage; in-line switch; no changing of condensers. Price, without lens, \$259.50 (\$269.50, Denver West). Accessory Beseler-Agfa Colorhead converts enlarger to continuous color filtration; price, \$450 (\$455, Denver West).

45HC

Similar to above but with Beseler condenser color head. Price, \$269.50 (\$279.50, Denver West).

45HA

Similar to 45H but with upper bellows assembly. Price, \$269.50 (\$279.50, Denver West).

45HCA

Similar to 45H but with Beseler condenser color head and upper bellows assembly. Price, \$279.50 (\$289.50, Denver West).



57 MB

Vertical; takes film sizes from 2 1/4 to 5x7; cold-cathode illumination (can be converted to condenser type to take negatives up to 4x5); 110 volts, a.c.; accepts lenses from 1- to

8 1/4-in. focal length; rack-and-pinion focusing; metal negative carrier; 5x7 film mask; film advance without removing roll; lamp housing tilts to permit bigger enlargements; lens-tilt distortion control; built-in filter for focusing; lamp switch on cord. Price, with lens board and universal glass negative carrier, \$289 (\$299, Denver West), without lens. Accessory Beseler-Agfa Colorhead converts enlarger to continuous color filtration; price, \$450 (\$455, Denver West).

57 MB-X

Similar to 57 MB but with rear triangular truss support. Price, \$314 (\$324, Denver West).

MFR., Charles Beseler Co.

BOGEN



COLOR 69

Vertical; takes film sizes from 35-mm to 6x9-cm; condenser system; 75-watt No. 211 lamp; line voltage, 117; convection, double-wall ventilating; 90-mm Voss f/4.5 lens with click stops down to f/16; 50-, 75-, 105-mm lenses available; 6.35 diameters enlargement on baseboard; rack and pinion film negative carrier; masks including focusing; glass sandwich combined for three film sizes; film advance without removing roll; built-in red mask for focusing; through-line control switch; color-filter drawer. Price, \$99.95, including vinyl jacket; glassless carriers for 35-mm, 4x4, 2 1/4x3 1/4, 6x6, 70-mm film, 35-mm supplementary condenser set available.



MINI 35

Vertical; takes film sizes from Minox to 35-mm; condenser illumination system; accepts No. 211 lamp; line voltage, 117; convection-cooled; 50-mm Voss f/3.5 lens, stopping down to f/11, with click stops; 8X enlarge-

ment on baseboard with normal lens; rack-and-pinion focusing; metal negative carrier; masks for 35-mm half- and full-frames; film advance without removing roll; lamp-housing tilts for bigger enlargements; built-in focusing filter; control switch on line cord. Price, with lens, without lamp, \$39.95. Available accessories: negative carriers for Minox and 10x14-film; 25-mm Voss $f/3.5$ recessed-mount lens.



SALON SPECIAL

Vertical; takes film sizes from 18x24-mm to 6x6; condenser system; No. 211 lamp; line voltage, 117 volts, a.c.; convection double-wall ventilating; 75-mm Voss $f/3.5$ lens with click stops down to $f/16$; 50- and 25-mm $f/3.5$ lenses available; 9.5 diameters enlargement on baseboard with 50-mm lens, 5.7 diameters with 75-mm lens; rack and pinion focusing; metal negative carrier; masks included for one film size; film advance without removing roll; lamp housing tilts or swings to permit bigger enlargements; positive lock at 90 and 180 degrees; will accommodate 25-mm lens for single-frame 35 without accessory recessed cups; feed through on line cord. Price, \$59.95 with carrier, condenser, 75-mm or 50-mm lens, not including lamp; color-filter drawer, \$6.95; 35-mm condenser, \$6.95; 18x24-mm, 24x36-mm and 4x4-cm carriers, \$4.50.



SUPER 66

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; condenser illumination system; accepts No. 211 lamp; line

voltage, 117; double-wall convection-cooled; 75-mm Voss $f/3.5$ lens, stopping down to $f/16$, with click stops; 6X enlargement on baseboard with normal lens; rack-and-pinion focusing; metal negative carrier; film advance without removing roll; distortion control; built-in focusing filter; control switch on line cord; telescoping column for oversize enlargements; built-in magnification scales calibrated in diameters for 50- and 75-mm lenses. Price, with half- and full-frame 35-mm masks, lens, vinyl cover, \$89.95, less lamp. Carriers for 4x4 film, 35-mm condenser set, and lenses available.

DIST., Bogen Photo Corp.

CINELARGER



8-16

Enlarges movie frame on No. 620 film; roll of still film developed and printed in regular manner; used in conjunction with No. 2 floodlamp; no cutting or splicing; built-in lens and shutter. Price, for either 8- or 16-mm model, \$22.50.

CINELARGER 35MM

Camera-like device used to enlarge 35-mm and Bantam color slides to black-and-white negatives on No. 620 roll film; uses No. 2 floodlamp; built-in lens and shutters. Price, \$25.95.

MFR., Testrite Instrument Co., Inc.

DUPLIKIN

MODEL II

Enlarges 16-mm film to 35-mm format; 25-mm Bausch & Lomb $f/2.7$ lens; click stops to $f/16$; metal negative carrier fitting most 35-mm single-lens reflex cameras. Specify camera when ordering. Price, \$69.50.

MFR., Century Precision Optics

DURST

606

Normally vertical, but also horizontal by rotating head; takes film sizes from 8-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; double-condenser system; inserted opal glass diffusion illumination; opal or projection lamp; regulated cool-air feeding ventilation; up to 12X enlargement; helical focusing; provision against Newton's rings; adjustable masks built into carrier; film advance without removing roll; lamp housing tilts and swings to permit bigger enlargements; negative plane distortion control; built-in red filter; lamp switch on cord; adjustable mir-



ror for observing during copying. Price, less lens, \$109.95; with 50-mm Durst Comprotar $f/4.5$ lens with click stops, \$129.95; with 75-mm Durst Comprotar $f/4.5$ lens, \$129.95; with 35-mm glassless DIFMA metal mask, both 75- and 50-mm lenses and lens boards, \$157.50. Accessories include standard negative carrier, mask for glassless enlarging of 35-mm and $2\frac{1}{4} \times 2\frac{1}{4}$, copy cassette with plate holder, carrying case, Polycontrast filter kit, enlarger cover.



609

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; condenser system; 75-100-watt opal lamp; 110 volts, a.c.; 150-mm Schneider Componar $f/4.5$ lens; 6X enlargement on baseboard with 105-mm lens, with 75-mm, 8X, with 50-mm, 10X; rack-and-pinion focusing; glass sandwich negative carrier; built-in filter drawer; provision against Newton's rings; film advance without removing roll; push-button control switch on line cord; allows use of shorter-focal-length lenses. Price, \$139.95, without lens; with 105-mm Schneider Componar $f/4.5$ lens, \$172.50. Accessories available include Difan carrier for glassless 35-mm enlarging, UR copying cassette, Oriso copying cassette, metal masks for glassless 35-mm and $2\frac{1}{4} \times 2\frac{1}{4}$.

M-35 MICROMAT

Vertical; takes subminiature to 35-mm film size; double-condenser illumination system (groundglass diffusion is available); line voltage, 110-120; convection cooling; 50-mm Schneider Componar $f/3.5$ coated lens available; 2 to 17 diameters enlargement on baseboard with standard lens; auto-focusing; provision against Newton's rings; masks included for 35-mm film size; film advances without removing roll; lamp housing column

ENLARGERS

continued



rotates to permit bigger enlargements; distortion control; swing-and-tilt in film plane. Price, with 50-mm Schneider Componar $f/3.5$ lens, \$269.50; with 50-mm Schneider Componar $f/5.6$ lens, \$299.50. Also available: automatic 33-ft-capacity 35-mm copy cassette, \$119.50. Polycontrast filter kit, subminiature carrier with six masks, extension tubes, special carrier for mounted transparencies, enlarger cover.

AUTO-FOCUS D-659 DUOMAT

Vertical; takes film sizes from 35-mm to $2\frac{1}{2} \times 3\frac{1}{2}$; condenser illumination system; convection cooled; turret-mounted 50-mm $f/3.5$ and 105-mm $f/4.5$ Schneider Componar and Schneider Componar coated lens available, stops down to $f/22$; self-illuminated stops; 1.4 to 16 diameters enlargement on baseboard with standard lens; enlarger column rotates for floor projection; auto-focusing; glass sandwich and combination negative carrier; provision against Newton's rings with glassless carrier; automatic masks included; film advances without removing roll; built-in red mask for focusing; built-in masking device; twin-lens automatic-focus turret. Price, with Componar Schneider lenses, \$399.50; with 105-mm $f/5.6$ and 50-mm $f/4$ Componar lenses, \$479.50. Cold-light unit, masks for glassless 35-mm and $2\frac{1}{4} \times 2\frac{1}{4}$, reducing tubes, Agfa color filter head, and enlarger cover available.

AUTO-FOCUS U-70 UNOMAT

Vertical; takes film sizes from 35-mm to $2\frac{1}{2} \times 3\frac{1}{2}$; double condenser system; up to 150-watt opal lamp; 110-120 volts, a.c.; convection cooling; 105-mm Schneider-Durst Componar or Componar $f/4.5$ lens stops down to $f/22$; click stops plus illuminated ring; 6.9X enlargement on baseboard with standard lens; autofocusing; provisions against Newton's rings; masks included for all roll-film sizes; film advance without removing roll; lamp housing swings to permit bigger enlargements on floor; built-in masking device; converts to auto-focus copying camera. Price, \$269.50, with 105-mm Schneider-Componar $f/4.5$ lens; \$319.50 with 105-mm Schneider-Componar $f/5.6$ lens. Accessories include glassless carrier, copy cassette, cold light unit, extension tubes for macro-photography.



AUTO-FOCUS LABORATOR 54

Vertical; takes film sizes from 35-mm to 4x5; double condenser system; up to 200-watt lamps; 110-220 volts; convection cooled; 150-mm Schneider-Durst Componar $f/5.6$ lens; click stops; 5X enlargement of 4x5 negatives on baseboard with standard lens; glass sandwich, metal carrier; provision against Newton's rings; film advance without removing roll; distortion control; built-in masking device; toggle control switch on baseboard. Price, \$850, including lens and following accessories: three mounted condensers, heat filter, Formica baseboard, carrier. Additional accessories: cold light head, extension tubes, filter mount, cold-light unit, and Agfa color head.



LABORATOR L-138S

Vertical and horizontal; takes film sizes from 35-mm to 5x7; double-condenser system; cold light head diffusion; up to 500-watt opal lamp; 110-120 volts; convection cooling; 28 to 31 diameters enlargement on baseboard with 2-in. lens; micrometer focusing; glass sandwich and metal negative carrier; provisions against Newton's rings; film advance without moving roll; complete distortion control; built-in masking device. Price, with two 240-mm condensers, \$635; with 210-mm Componar lens, \$790. Accessories include roll-film carrier, copying cassette, cold light unit, extension and reducing tubes, Agfa color filter head, enlarger cover, Lektra-Lite color diffusion head, cooling unit.

LABORATOR S-45

Vertical and horizontal; takes film sizes from 35-mm to 4x5; double-condenser system; cold-light-head diffusion; accepts up to 500-watt

lamp; 110-220 volts; convection cooling; up to 31X enlargement on baseboard with 2-in. lens; micrometer focusing; glass sandwich and metal negative carrier; provision against Newton's rings; distortion control; built-in masking; interchangeable condensers. Price, without lens, \$625; with Schneider Componar $f/5.6$ 150-mm lens, \$720. Accessories include roll-film carrier, copying cassette, cold-light unit, Agfa color filter head, Lektra-Lite color diffusion head, cooling unit, enlarger cover.



LABORATOR V-184

Vertical; takes film sizes from 35-mm to 8x10; condenser and optional cold-cathode illumination system; accepts 300- to 1,000-watt lamps (with blower); full line of Schneider lenses available; rack-and-pinion focusing; glass sandwich negative carrier; lamp-housing tilts for bigger enlargements; distortion control; built-in filter for focusing; built-in masking device; control switch on line cord; filter drawer; three condensers; base on casters. Price, with condenser (without lens), \$2,650; with 300-mm Schneider Componar $f/5.6$ lens, \$2,950. Available accessories include condensers, tilting baseboard, cooling blower, pulsed Xenon lamp; aerial roll-film carrier.



NEWPORTER RS/35

Vertical; takes film sizes from subminiature to 35-mm; condenser illumination system; accepts 60- or 75-watt clear household lamp; line voltage, 110; convection cooled; 2-in. Durst Comprotar $f/4.5$ lens, with click stops; 10X enlargement on baseboard with normal lens; rack-and-pinion focusing; glassless negative carrier; film advance without removing roll; lamp-housing tilts for bigger enlargements; built-in focusing filter; control switch on line cord; filter receptacle; unit can be used for reflex copying. Price, with lens, \$79.95. Available accessories include copy cassette, cover, filter kits.

DIST., Durst, U.S.A., Inc.

ECHO

35-MM

Vertical; takes 35-mm film; double-condenser system; 50-mm coated $f/4.5$ lens, with click stops down to $f/22$; micrometer focusing; metal negative carrier; mask for 16-mm film; lamp housing tilts to permit bigger enlargements. Accessory easel mask. Price, \$19.95.

DIST., Nu-Photo Dist. Corp.

ECLAIR

MODEL "A"

Vertical; takes $2\frac{1}{4} \times 3\frac{1}{4}$ film; double-condenser illumination system; 75-watt $f/3.5$ lens, stopping down to $f/16$, with click stops; bellows-type focusing; metal negative carrier; bulb adjustments for centering light source; spring-loaded, counter-balanced pantograph arm. Price, with lens, adjustable 8×10 easel, \$39.95.

MODEL "S"

Similar to Eclair "A" but does not have pantograph arm. Price, \$31.95.

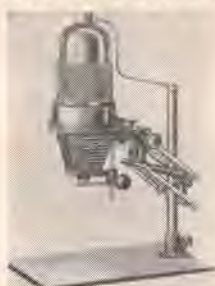
DIST., Nu-Photo Dist. Corp.

EDILOR

Vertical; takes 24×36 -size film; condenser system; 75-100-watt lamp; 115 volts; 50-mm lens; 8X diameter enlargement on baseboard with standard lens; rack-and-pinion focusing; metal negative carrier; provision against Newton's rings; film advance without removing roll; distortion control, lamp housing can be tilted; built-in masking device. Price, \$39.95, without lens. Accessories available include filter drawer for color work, \$12; adapter which converts Edilor to a copying stand; orange filter.

DIST., Edixa Camera Co.

FOTOLARGER



PROFESSIONAL 100-DC

Vertical; takes film sizes 35-mm to 4x5; diffusion system; 150-watt No. 212 opal enlarging lamp; vents in lamp house; 135-mm $f/4.5$ coated lens; click stops; 16×19 enlargements at baseboard; rack-and-pinion focus-

ing; metal negative carrier; one mask included, any size; roll-film advance without removing roll; lamp house tilts and swings; built-in red filter; control switch in line. Price, without lens, \$78.95; with lens, \$99.95. Accessories available include any size negative carriers, condenser sets.



MASTER E

Vertical or horizontal; takes film sizes from 8-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; diffusion type with flashed opal glass; takes 75-watt enlarging bulb; rack-and-pinion focusing; metal negative carrier; enlarges to 6 diameters on baseboard; lamp housing swings for bigger enlargements; four parallel rigid arms construction; two coil counter-balance springs; arrangement for front to back distortion; built-in red filter; feed-through switch on line cord; up-right post dismounts for convenient storage. Price, with 90-mm $f/4.5$ lens, \$59.50; with 90-mm Elgeet $f/4.5$ lens, \$69.95; with 51-mm Elgeet $f/4.5$ lens, \$62.40; without lens, \$44.95. Accessories: copy back, condenser sets, counterbalance, copy lights.



E-2

Takes film sizes from 8-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; condenser illumination; 75-watt bulb; 110-115 volts; ventilated lamp house; 90-mm Elgeet $f/4.5$ lens; click stops to $f/22$; 6X enlargement on baseboard with standard lens; rack-and-pinion focusing; metal negative carrier; mask for $2\frac{1}{4} \times 3\frac{1}{4}$ film; film advance without removing roll; lamp housing tilts to permit bigger enlargements; distortion control; feed-through switch on line; $4\frac{1}{2}$ -in. condenser set; film cups; plastic cover. Price, with lens, \$89.95. Accessories include 25-, 50-, 75-mm Perflex lenses; copy back; copy lights; extra lens boards.

MERIT III

Vertical; takes film sizes 8-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; diffusion type with opal glass; has 90-mm Perflex $f/4.5$ lens; friction focusing, metal negative car-

rier. Price, \$49.50; without lens, \$33.95. Accessories available: condensers, copy back, copy lights, negative carriers, lens boards, counterbalance.



JUNIOR 1

Vertical; takes film sizes from 35-mm to 127; diffusion-type illumination; flashed opal diffusion; 75-watt G-E 211 bulb; 110-115 volts; ventilated; 52-mm Testrite $f/8$ lens; rack-and-pinion focusing; metal negative carrier; masks for two film sizes; film advance without removing roll; feed-through switch on line. Price, with lens and metal easel, \$25.95.



JUNIOR 2

Vertical; takes film sizes from 8-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; diffusion type with opal glass; 75-watt G-E No. 211 enlarging bulb; 110-115 volts, a.c.-d.c.; ventilating louvers in lamp house; click stops; up to 8 diameters enlargement on baseboard; rack-and-pinion focusing; metal negative carrier; film advance without removing roll; masks for $2\frac{1}{4} \times 3\frac{1}{4}$ sizes; built-in red filter for focusing; switch on line cord. Price, without lens, \$29.95; with 90-mm range-finder $f/6.9$ lens with Waterhouse stops, \$34.95; with 90-mm Perflex $f/4.5$ lens, \$44.50. Accessories include condenser sets, negative carriers, lens boards.

JUNIOR 35

Similar to Junior 2 except that it is ready for use with 35-mm film; double condenser set; 51-mm $f/4.5$ lens with click stops. Price, \$49.95.

ZENITH 35

Takes film sizes from 8- to 35-mm; condenser illumination; 50-watt bulb; 110-115 volts; 50-mm Perflex $f/4.5$ lens; click stops to $f/16$; 12X enlargement on baseboard with standard lens; micrometer focusing; metal negative

ENLARGERS

continued



carrier; 35-mm film mask; film advance without removing roll; lamp housing tilts for bigger enlargements; built-in focusing filter; feed-through switch on line; 14x19 baseboard; 24-in. post; interchangeable lens boards. Price, \$69.95, includes lens, heat-absorbing glass, Varigam filter holder; without lens, \$59.95. Lens boards available as accessories.

MFR., Testrite Instrument Co., Inc.

GAMI



16 Vertical; takes film sizes from 12x17 mm on 16-mm film; condenser type; 60-watt lamp; line voltage, 110; convection ventilation; f/4.5 lens; 5 to 21X enlargement on baseboard; automatic focusing; glass-sandwich negative carrier; film advance without removing roll; lamp housing tilts, swings to permit bigger enlargements; built-in red filter; switch on cord. Price, including lens, \$285.

DIST., Kling Photo Corp.

GRAFLEX



GRAFLARGER

Enlarging head and back for 4x5 press-type camera; flashed opal illumination system; 75-watt cold cathode

Aristo Grid Lite lamp; for line voltage of 110; metal negative carrier. Price, \$49.50; Graflarger stand, \$21.75. MFR., Graflex, Inc.

HANSA



PRIMA 35

Takes 35-mm film; condenser illumination; 50-mm Hansa f/3.5 lens; rack and pinion focusing; metal negative carrier; color head; 10x12 adjustable easel; heat-absorbing filter. Price, including lens, adjustable filter frame, \$79.95.

MODEL 2 1/4 x 2 1/4

Similar to Prima 35, but for 2 1/4 x 2 1/4 to 35-mm film; condenser system; 75-mm Hansa lens; 10x12-in. adjustable easel; glassless negative carrier. Price, including lens, \$79.95; 35-mm condenser and film carrier, 50-mm lens also available.

DIST., Camera Specialty Co.

JOHNSON



MODEL 1

Vertical; takes film sizes 2 1/4 x 2 1/4, 2 1/4 x 3 1/4; diffusion illumination; accepts 50-watt lamp; 120 volts; fixed-focus Johnson f/7.7 lens; makes postcard-size prints only; two film masks; film advance without removing roll. Price, \$9.95.

MODEL 2

Same as above but for 35-mm only.

V-5

Vertical; takes film sizes from miniature to 4x5; condenser illumination; opal diffusion; 250-watt 115-120-volt lamp; convection cooling; 135-mm Johnson f/3.5 lens stopping down to f/22 with click stops; micrometer, rack-and-pinion focusing; glass sandwich negative carrier; provision



against Newton's rings; film masks for all sizes; distortion control; foot-switch; can be used as copy camera. Price on request.



WRAY S-35

Vertical; takes film sizes from subminiature to 35-mm; condenser illumination; flashed opal diffusion; 120-220 volts; convection cooled; 50-mm Wray f/3.5 lens stopping down to f/22 with click stops; rack-and-pinion focusing; glass sandwich negative carrier; provision against Newton's rings; distortion control; switch in cord. Price, with lens, \$39.95. Other lenses available as accessories.

DIST., General Photographic Supply Corp.

KALIMAR



35-A

Vertical; takes film sizes from subminiature to 35-mm; condenser illumination system; accepts No. 211 75-watt lamp; line voltage, 110-125; 50-mm Kalimar f/3.5 lens, stopping down to f/16; 8X enlargement on baseboard with normal lens; rack-and-pinion fo-

cusing; metal negative carrier; provision against Newton's rings; film advance without removing roll; lamp-housing tilts for bigger enlargements; built-in focusing filter; built-in masking device; control switch on line cord. Price, with lens, \$39.95. Available accessories: 25-mm lens, \$12.95; Minox, 10x14- or 18x24-mm negative carrier, \$4.50.

35-HP

Similar to Kallimar 35-A but has pan-fograph arm construction, helical focusing, detachable baseboard. Price, \$69.95; same accessories available, but carriers are priced at \$3.95.



635-P

Vertical; takes film sizes from 35-mm to 2 1/4x2 1/4; condenser-illumination system; accepts No. 211 75-watt lamp; line voltage, 110-125; 75-mm Kaligar f/3.5 lens, stopping down to f/16; up to 6.6X enlargement on baseboard; rack-and-pinion focusing; metal negative carrier; provision against Newton's rings; mask included for 2 1/4x2 1/4 film; built-in focusing filter; control switch on line cord. Price, with lens, \$99.50. Accessory 35-mm outfit consisting of 50-mm lens, double condenser lenses, and negative carrier available for \$24.95.

MFR., Kallimar Inc.

LEITZ

FOCOMAT 1C

Vertical enlarger for 18x24- to 40x40-mm film; single-element condenser lens; auto-focus; auto-focal range to enlarger; 75-watt opal lamp; 115 volts; autofocus; autofocal range to 10 diameters enlargement; larger prints by manual focusing; metal negative carriers; film advance without removing roll; lamp house tilts to permit cleaning; control switch on baseboard; quick-clamping device for easel. Price, \$231, without lens; 50-mm f/4.5 enlarging lens, filters, enlarging easel, available as accessories.

FOCOMAT 11C-COLOR

Vertical; for 18x24-mm to 6x9-cm film; double condensers; 150-watt opal lamp; auto-focus 11X magnification with 60-mm Focotar f/4.5 lens, 6X magnification with 95-mm Focotar f/4.5 lens; greater magnification by manual focusing; glass-sandwich negative carrier, treated to eliminate Newton's rings; filter slide with filter-lifting device; illuminated box in baseboard for viewing negatives; drawer for negative masks; can be used for copying. Price, with both



lenses, \$840. Reproduction cassette and perspective corrector available as accessories.



VALOY II WITH COPYING STAND

Vertical; for 18x24- to 40x40-mm film; single-element condenser; 75-watt opal lamp; 115 volts; up to 10 diameters enlargement; metal negative carrier; film advance without removing roll; lamp house tilts for easy cleaning; easily adapted as copying stand; can be dismantled for convenient storage. Price, without lens, \$138. Accessories available include 50-mm Focotar f/4.5 lens, filter, enlarging easel.

DIST., E. Leitz, Inc.

LOTT



135

Vertical; takes 35-mm and 828 film; condenser illumination; 50-watt No.

113 lamp; heat-absorbing glass; 120 volts; 2-in. Decar f/4.5 lens, stopping down to f/22; 14 diameters enlargement on baseboard with standard lens; rack-and-pinion focusing; metal negative carrier; two film masks; built-in focusing filter; switch on cord. Price, \$70, with lens, set of dustless negative carriers. Accessory metal plates for mounted slides available.



240

Vertical; takes film sizes from 35-mm to 2 1/4x3 1/4; flashed opal diffusion illumination; 75-watt No. 211 clear lamp; top baffle plate ventilation; 120 volts; 3 1/2-in. Bitax f/7.9 lens, stopping down to f/19; 7X enlargement on baseboard with standard lens; helical focusing; glass sandwich negative carrier; four film masks; film advance without removing roll; built-in focusing filter; switch on cord. Price, with lens, \$39.95. Available accessories: counterbalance, \$4.60; condenser system, \$13.80; dustless metal negative plates, \$1.75 to \$2.50 a pair.



290

Vertical; takes film sizes from 35-mm to 2 1/4x3 1/4; groundglass and flashed opal diffusion; 75-watt No. 211 clear lamp; ventilation by baffle on top of dome; 120 volts; 3 1/2-in. Decar f/6.3 lens, stopping down to f/22; 7X enlargement on baseboard with standard lens; rack-and-pinion focusing; glass sandwich negative carrier; four film masks; film advance without removing roll; built-in focusing filter; switch on cord; built-in focusing tar-

ENLARGERS

continued

get and color filter holder. Price, with lens, \$55. Same accessories as model 240 (above); 3 1/2-in. Octar f/4.5 and 2-in. Elgeet f/4.5 lenses available.



311

Vertical; takes film sizes from 35-mm to 2 1/4x3 3/4; condenser illumination; 75-watt No. 211 opal lamp; top baffle illumination; 120 volts; 3 1/2-in. Octar f/4.5 lens, stopping down to f/22; 8X enlargement on baseboard with standard lens; rack-and-pinion focusing; glass sandwich negative carrier; four film masks; film advance without removing roll; built-in focusing filter; switch on cord; built-in focusing target and color filter holder. Price, \$90, with lens, counterbalance, condenser assembly, clutch. Available accessories: dustless negative plates, \$1.75 to \$2.50 a pair; 3 1/2-in. f/6.3, 2-in. f/4.5 lenses.



450

Vertical; takes film sizes from 35-mm to 4x5; diffusion illumination; 75-watt No. 211 clear lamp; top baffle illumination; 120 volts; 5 1/2-in. Octar f/4.5 lens, stopping down to f/22; 5X diameter enlargement on baseboard with standard lens; rack-and-pinion focusing; glass sandwich negative carrier; seven film masks; film advance without removing roll; lamp housing swings to permit bigger enlargements; built-in focusing filter; switch on cord; built-in focusing target; counterbalance; clutch. Price, with lens, \$140. Available accessories: double condenser set, \$40.25; dustless

negative plates, \$2 to \$2.90; 3 1/2-in. Octar f/4.5, 3 1/2-in. f/6.3, and 2-in. f/4.5 lenses.

MFR., Lott Mfg. Co.

MAGNALUX

MAGNALUX 35

Vertical; takes negative sizes up to 35-mm; condenser illumination system; line voltage, 110-115; thermal-draft cooling; 2-in. Amitar f/4.5 lens; rack-and-pinion focusing; glassless negative carrier; control switch on cord. Price, with lens and baseboard, \$19.95.



MODEL 120

Vertical; for 35-mm to 2 1/4x3 3/4 film; glass double condenser system; groundglass diffusion illumination; standard 211 enlarging lamp; voltage, 110-115; thermal draft cooling ventilation; coated Amitar f/4.5 lens, click stops down to f/22; 50-mm f/3.5 and 90-mm f/4.5 lenses also available; rack-and-pinion focusing; glassless negative carrier with accessory mask; provision against Newton's rings; mask for 35-mm and 2 1/4x2 1/4 film; film advance without removing roll; lamp switch on cord. Price, including lens and baseboard, \$39.75; 11x14 adjusting masking easel available for \$6.50. Color head model, with 90-mm Amitar f/4.5 click-stop lens, \$44.70; set of 18 gelatin filters (color control system), \$10.95.

MAGNALUX SUPER

Vertical; for 4x5 film; glass condenser system; groundglass diffusion; No. 211 75-watt bulb; 110-115 volts; thermal draft cooling; 135-mm Amitar f/4.5 lens stops down to f/22; click stops; rack-and-pinion focusing; glass sandwich negative carrier; provision against Newton's rings; masks included for 2 1/4x2 1/4 film sizes; film advance without removing roll; lamp switch on cord. Price, with 135-mm f/4.5 coated Amitar lens, \$79.50.

DIST., Sterling-Howard Corp.

MEOPTA

AXOMAT 1a

Vertical; takes film sizes from 16- to 35-mm; condenser system; groundglass illumination; 75-watt opal



lamp; 115 volts; special lamp housing, thermal glass for ventilation; coated, color corrected 50-mm Belar f/4.5 lens with click stops down to f/22; up to 10.6X magnification; 35-mm Mirar f/3.5 lens also available; semi-automatic with rangefinder focusing; glassless metal negative carrier with adjustable masking device; film advances without removing roll; lamp housing tilts to permit bigger enlargements; lens-tilt distortion control; built-in red filter; lamp switch on cord. Price, with Belar lens, \$87.95. Wide range of accessories available.

AXOMAT 16

Similar to Axomat 1a above with a 35-mm f/3.5 lens. Price, \$98.95.



MAGNIFAX MODEL 11

Vertical; takes film sizes from 35-mm to 2 1/4x3 3/4; double condenser system; groundglass diffusion; 75-250-watt opal bulbs; 115 volts; air-cooled lamp housing; 4-in. coated, color-corrected Meopta Belar f/4.5 lens stops down to f/22, click stops; split-line rangefinder focusing; friction drive; metal carrier; provision against Newton's rings; automatic masking; film advance without removing roll; correction adjustment for distortion control; built-in red filter for focusing; lamp switch on cord; built-in color head. Price, \$179.95, including Belar f/4.5 lens and color head. Accessories available: reproduction adapter, lens shutter, micro and macro attachment, baseboard lights, camera back, film holders.

OPERMUS 11a

Similar to Axomat, but takes sizes from 16-mm to 2 1/4x2 1/4; 3-in. coated, color-corrected Belar f/4.5 lens; accepts lenses of other focal lengths; up



to 6.7X magnification; glass-sandwich carrier; split-line focusing; adjustable masking device. Prices, including Belar lens, \$109.95. Full range of adapters for color, reproducing, macrography, and filters available as accessories.



OPEMUS STANDARD 6X6

Vertical; takes film sizes from 24x36 to 2 1/4x2 1/4; condenser system; groundglass diffusion; 75-watt opal lamp; 3-in. coated, color-corrected Belar f/4.5 lens stops down to f/22, click stops; up to 6 1/2X enlargement on baseboard with standard lens; micrometer focusing; glass-sandwich negative carrier; provision against Newton's rings; masks included for eight film sizes; film advance without removing roll; moderate distortion control; lamp switch on cord; built-in red filter for focusing. Price, \$76.95, including lens. Accessories available include color head, color correction filters, macro attachments, focusing device.



OPEMUS 4x4

Vertical; takes film sizes from 16-mm, 35-mm to 1 1/2 square; condenser system; groundglass diffusion; 75-

watt opal lamp; airflow housing; 58-mm Meopta Belar coated, color-corrected f/4.5 lens stops down to f/22, click stops, micrometer focusing; glassless negative carriers included for two film sizes; film advance without removing roll; lamp switch on cord; tilted column; interchangeable lenses and condensers. Price, \$65.95, including lens. Accessories available include 16-mm and 35-mm negative carriers, focusing device.

DIST., Magniphot Corp.

MINOLTA



3-in-1

Vertical; takes film sizes from 9- to 16-mm; condenser system; groundglass diffusion illumination; 100-watt lamp; voltage, 110-120; ventilating system; 30-mm Rokkor f/4.5 lens, click stops down to f/11; enlargements to 5x7-in.; helical focusing; metal carrier; lamp switch on cord. Price, with lens and carrier, easel, and vinyl cover, \$49.50. Accessory carriers for 9.5- and 35-mm, \$2.95.

DIST., Minolta Corp.

MINORI

2 1/4 x 2 1/4

Vertical; double-condenser system; perpendicular pantagraph lamp-house operation; 110 volts; radiation ring ventilation; 75-mm Telesar f/3.5 lens, click stops to f/22; glass-sandwich and metal negative carrier; mask for 120-size film; film advance without removing roll; on-off switch on cord. Price, with lens, \$79.

2 1/4 x 3 1/4

Similar to above but takes 2 1/4 x 3 1/4 film; lens is 90-mm. Price, \$94.

DIST., Masei Supply Co.

MINOX

Vertical; for Minox 8-, and 16-mm movie film; built-in light-diffuser control; f/3.5 Micro-Minox lens in helical focusing mount; operates on 110, 120, 220, 240 volts; high-low switch; up to 11x4 enlargement on base plate; reflex mirror available for wall projection; reversible head with



mount for copying arm attachment. Price, \$174, including Minox-size negative carrier, bulb, protective cover. DIST., Minox Corp.

OCEAN

Vertical; takes 2 1/4 x 2 1/4 film (35-mm with special carrier); 110 volts; 75-mm Telesar f/3.5 lens; click stops to f/22; glass sandwich and metal negative carrier; size 120 film mask; film advance without removing roll; double condenser; on-off switch on cord. Price, \$59.95.

DIST., Masei Supply Co.

PAXOMAT

Vertical and horizontal; takes 35-mm film; double-wall lamp housing; 50-mm Steinheil f/3.5 lens with click stops; 2 1/2 to 9 1/2 diameters enlargement on baseboard; autofocus; metal negative carrier; lamp housing tilts or swings to permit bigger enlargements; spring-balanced parallelogram arms. Price, \$79.95, including lens, plywood baseboard, and post.

AUTOFOCUS MODEL C

Vertical; takes 35-mm film; condenser illumination system; accepts 60- to 100-watt lamps; line voltage, 110; 50-mm Steinheil f/3.5 lens, stopping down to f/16, with click stops; autofocus; metal negative carrier; lamp-housing tilts for bigger enlargements; built-in focusing filter. Price, with lens, \$79.95.

PAXOS



MODEL 6B

Vertical; takes film sizes from 35-mm to 2 1/4 x 2 1/4; condenser illumination system; accepts 60- to 100-watt lamps; line voltage, 110; micrometer and rack-and-pinion focusing; film advance without removing roll; lamp-

ENLARGERS

continued

housing tilts for bigger enlargements; built-in focusing filter. Price, without lens, \$59.95.

PAXOTA

MODEL 35-S

For 35-mm film; condenser illumination; $2\frac{1}{2} \times 9\frac{1}{2}$ diameters enlargement on baseboard; rack-and-pinion focusing; glassless negative carrier; in-line control switch; can be used as copy camera with reflex viewing; column calibrated for print size. Price, without lens, \$39.95; 50-mm Zeiss Tessar f/3.5 lens, \$30; accepts Exakta- or Praktica-mount lenses. Special adapters, camera backs, mounts, roll-film back available. DIST., Camera Specialty Co.

PRIMOS

TESTREFLEX 35

Vertical; for film sizes 18x24 to 24x36-mm; condenser type; uses 75-watt bulb; line voltage, 110 a.c.-d.c.; 50-mm Schneider Componar f/4 lens, click stops; up to 8 diameters enlargement on baseboard; rack-and-pinion focusing; has built-in single-lens reflex system; metal negative carrier; provision against dust and Newton's rings; film advance without removing roll; lamp house tilts, swings; control-switch button at cord; built-in red filter. Price, with lens \$99.50; with Componar f/4 lens instead, at additional cost; without lens, \$79.50. Accessories include filter-drawer attachment for color work, masks for smaller film sizes, plastic cover.



TESTREFLEX $2\frac{1}{4} \times 2\frac{1}{4}$

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; condenser system; 150-watt lamp; 110 volts, a.c.; heat-absorbing base; 80-mm Schneider Componar f/4 or f/5.6 lens; 8 diameters enlargement on baseboard; single-lens reflex focusing; metal negative carrier; film advance without removing roll; lamp housing tilts to permit bigger enlargements; built-in red mask for focusing; control switch on cord. Price with componar lens, \$129.50; without lens, \$99.50. Plastic cover and filter-drawer attachment for color work available as accessories.

JUNIOR 35 AUTOFOCUS

Vertical, for 35-mm only; condenser type, using 75-watt lamp; furnished with 50-mm coated Schneider Componar f/4 lens with click stops; enlarges from 2 to 10 times on baseboard; head swings for bigger enlargements; automatic focusing; glassless negative carrier eliminates dust and Newton's rings; film advances without removing roll; built-in red filter; one-hand operation; focus-adjustment rod. Price, with 50-mm Componar f/4 lens, \$119.50.

PROFESSIONAL 35 AUTOFOCUS

Same as Primos 35, but heavier construction; with interchangeable lenses, enlarging scale, filter drawer for color work available. Price, including lens, \$169.50; with 50-mm Schneider Componar f/4 lens, \$199.50.



$2\frac{1}{4} \times 2\frac{1}{4}$ AUTOFOCUS

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; double-condenser type; uses 75- or 150-watt bulb; line voltage, 110 a.c.; ventilating perforations and heat-absorbent base; 80-mm Schneider Componar f/4 coated lens with click stops; up to 14 diameters enlargement on baseboard; automatic focusing; glassless negative carrier; provision against Newton's rings (for 24x36-mm); film advance without removing roll; lamp housing tilts, swings to permit bigger enlargements; distortion correction; built-in red filter; switch on cord; takes filter drawer for color work; masks for smaller sizes. Price, Primos I, with lens, \$259.50; Primos II, with turret and second lens, a 50-mm Schneider Componar f/4, \$339.50.

$2\frac{1}{4} \times 3\frac{1}{4}$ AUTOFOCUS

Similar to Primos $2\frac{1}{4} \times 2\frac{1}{4}$; takes film sizes from 35-mm to $2\frac{1}{4} \times 3\frac{1}{4}$; up to 12 diameters enlargement by autofocus, larger by manual focusing; 105-mm Ysaron f/4.5 coated lens with click stops; takes filter drawer for color work. Price, Primos I, with lens, \$369.50; Primos II, with second lens, 60-mm Componar f/4, \$439.50. DIST., Karl Heitz, Inc.

RONDO

MODEL 35

Vertical; takes 35-mm film; condenser illumination; 100-watt lamp; 110 line voltage; ventilating provisions; 50-mm Rondonar f/3.5 lens with click stops down to f/16; rack-and-pinion focusing; glass sandwich nega-



tive carrier; provision against Newton's rings; control switch on line cord. Price, including lens, \$54.95.



MODEL 66

Vertical; takes film sizes from 35-mm to $2\frac{1}{4} \times 2\frac{1}{4}$; condenser illumination; 100-watt lamp; 110 line voltage; ventilating provisions; 75-mm Rondonar f/3.5 lens with click stops down to f/16; rack-and-pinion focusing; metal negative carrier; built-in red mask for focusing; on-line cord; Price including lens, \$59.95.

DIST., Service Photo Industries, Inc.

ROWI

ROWI 150

Vertical; for 35-mm film; condenser system; 75-watt illumination, 110 volts; maximum enlargement, $12\frac{1}{2} \times 15$ -in.; bellows focusing; metal negative carrier; film advance; tilting lamp house; focusing filter; line switch; Leica-thread lens mount. Price, without lens, \$35.

ROWI 153

Vertical; for film sizes from 24x24 to 24x36-mm; condenser system; 75-watt illumination, 110 volts; 50-mm Cassar f/3.5 lens, stops down to f/32; click stops; maximum enlargement, $12\frac{1}{2} \times 15$ -in.; bellows focusing; metal negative carrier; film advance; tilting lamp house; focusing filter; line switch; Leica-thread lens mount. Price, including baseboard and lens, \$56.

ROWI 155

Similar to Rowi 153 above but with 50-mm Wilon f/4.5 lens, stopping down to f/22. Price, \$46. DIST., Masel Supply Co.

SIMMON



AUTOMEGA B-7

Autofocus model; takes film sizes from 35-mm to 2 1/4x3 1/4; interchangeable lenses from 2- to 3 1/2-in.; matched to autofocusing tracks; available with condenser or fluorescent Omegalite illumination; rack-and-pinion focusing; up to 15 diameters enlargement on baseboard; rapid-shift glassless negative carrier; Price, less lens, mount, and track, for condenser model, \$213.50; with color-filter drawer, \$219.50; Omegalite model, less lens, mount, and track, \$229.50.

AUTOMEGA D-3

Auto-focus model; takes film sizes from 35-mm to 4x5; available with condenser or fluorescent Omegalite illumination; interchangeable lenses from 2- to 6 1/2-in. matched to auto-focusing tracks; interchangeable double condensers; rack-and-pinion focusing; up to almost 18 diameters enlargement on baseboard; glassless negative carrier; accepts complete line of accessories. Prices, less lens, mount, and track, for condenser model, \$319.50; with color-filter drawer, \$329.50; with Omegalite, \$299.50.

AUTOMEGA D3V, MODEL 710

Vertical; takes film sizes from 35-mm to 4x5; condenser system; no changing of condensers; 75-watt illumination, 115 volts; cooling vents; 5/4X enlargement on baseboard with 135-mm lens; auto-focus, gearless friction drive; metal negative carrier; focusing filter; switch on line cord. Price, without lens, \$359.50. Lens, lens mount, track, copying and red-control available as accessories.

OMEGA D2V, MODEL 810

Similar to above, but is manual focusing. Price, \$319.50; with 12-in. longer girders, \$367.

AUTOMEGA E-5

Vertical; takes film sizes from 35-mm to 5x7-in.; condenser type; 75- or 150-watt lamp; 125 volts; 3 diameters enlargement on baseboard with a 7 1/2-in. lens; auto-focusing; glass sandwich negative carrier; lamp housing swings; switch on line cord; built-in red filter for focusing. Price, without lens, \$662.50, including red filter, glass film carrier, lamp. With standard Omegalite lamp house, circine tube, \$397.50. Optional accessories include lens, copy attachment, manual-focusing attachment, microphotography attachment, Varigam filter holder.



CHROMEGA B-9

Takes 2 1/4x2 1/4 negatives; diffusion illumination; 100-watt G-E lamp; 115-volts; ventilated lamp housing; 11 1/2X enlargement with a 3 1/2-in. lens; rack-and-pinion and auto-focusing; glassless, rapid-shift-type negative carrier; film advance without removing roll; semi-circle pivot for bigger enlargements; built-in focusing filter; switch on line cord; built-in stepless color filtration; accepts one to three auto-focusing tracks. Price, without lens, \$419.25. Optional accessories include a full line of Rodenstock, Kodak, Schneider, and Wollensak lenses; distortion control; reducing, copy, and micro attachments.

CHROMEGA B-10

Similar to Chromega B-9, but is not auto-focusing. Price, \$395.25.

OMEGASPHERE B-9

Similar to Chromega B-9 but it is not auto-focusing; for black-and-white work only. Price, without lens, \$344.25.

OMEGASPHERE B-10

Similar to Chromega B-9 but is not auto-focusing; for black-and-white work only. Price, without lens, \$320.25.

OMEGASPHERE D-4

Similar to Chromega B-9 but up to 4x5 size; black-and-white work only. Price, without lens, \$570.

CHROMEGA D4

Vertical; takes film sizes up to 4x5; accepts lenses from 6 1/2- to 2-in.; permits magnification from 4 1/2X with 6 1/2-in. lens, to 18X with 2-in. lens; accommodates three auto-focus cams simultaneously; rotatable negative carrier; incorporates electric synchronous timer; 110-120 volts, a.c., 60 cycles; two 100-watt lamps. Price, including timer, \$695. Optional accessories include voltage stabilizer, horizontal projection attachment, auxiliary focusing attachment.

OMEGA B-8

Takes film sizes from 35-mm to 2 1/4x3 1/4; interchangeable lenses from 2- to 3 1/2-in.; available with condenser or fluorescent Omegalite illumination; rack-and-pinion focusing; up to 14 diameters enlargement on baseboard; rapid-shift glassless negative carrier. Price, less lens, for condenser model, \$182.50; with color-filter drawer, \$188.50. Omegalite model, less lens, \$198.50. Complete line of accessories available.



OMEGA B-22

Vertical; takes film sizes from ultra-miniature to 2 1/4x2 1/4; condenser system; No. 111A 75-watt lamp; 115 line voltage; ventilating provisions in lamp house; 7.6 diameters enlargement with 3-in. lens, 12.5 with 2-in. lens; micrometer focusing; metal and hinged glassless negative carrier; film advance without removing roll; built-in red mask for focusing; on-off switch in line cord; entire girder swivels 180 degrees for projection on floor. Price, without lens, \$124.95, including filter drawer. Wall mount, variable-contrast-filter holder, dust cover available.

OMEGA B-22 XL

Similar to Omega B-22, but has a 12-in.-longer girder. Price, \$144.95.

OMEGA D-2

Takes film sizes 35-mm to 4x5; available with condenser or fluorescent Omegalite illumination; interchangeable double condensers matched to focal length of lenses from 2- to 6 1/2-in.; rack-and-pinion focusing; up to almost 18 diameters enlargement on baseboard; glassless negative carrier. Prices, less lens, for condenser model, \$279.50; with color-filter drawer, \$289.50; with Omegalite, \$259.50. Accessories available include copy attachment, variable-contrast filter holder, portrait soft-focus attachment, etc.



OMEGA E-6 SPECIAL

Vertical; takes film sizes from 35-mm to 5x7; fluorescent illumination; accepts 11 1/2-in., 115-volt, 60-cycle, 32-watt Circline lamp; ventilation unnecessary; accepts lenses from 2-in. to 210-mm; rack-and-pinion focusing; metal negative carrier; extra-long girders; lamp-housing interchangeable with Omega 5x7 condenser head. Price, with 6 1/2-in.-high lens mount, 5x7 dustless negative carrier, red filter, less lens, \$375. Available accessories: copy attachment, \$62.50; heavy-duty wall mount, \$21.50; auxiliary focusing attachment, \$42.50.

MFR., Simmon Omega, Inc.

ENLARGERS

continued

SOLAR

45CR

Vertical; can be used horizontally; takes film sizes from 35-mm to 4x5; designed for use as a projector; two-element condenser illumination system; optional lens equipment; rigid column support rods; rack-and-pinion focusing; metal negative carrier; movable lamp housing; in-line switch on table top; double-extension bellows. Price, without lens, \$149.50. Accessories same as for Solar 120 model.

45DR

Similar to Model 45C; diffusion-type unit with Solar light equalizers; condensing reflector lamp house; optional lens equipment; provision against Newton's rings; distortion control. Price, \$99.50, less lens.

57 D

Vertical; can be used horizontally; takes film sizes from 35-mm to 5x7; designed for use as a projector; groundglass diffusion illumination; condensing reflector lamp house; 150 watts on 115 line voltage; optional lens equipment; rack-and-pinion focusing; rigid column support rods; glass or metal negative carrier; provision against Newton's rings; lamp house tilts and swings; distortion control; built-in red screen for focusing; non-actinic baseboard. Price, without lens, \$129.50. Accessories include camera back, microscope adapter, carriers, copy stand, etc.



120

Vertical; takes film sizes from 35-mm to 2 1/4x3 1/4; designed for use as a projector also; two-element condenser illumination; 150 watts; optional lens equipment; rigid column support rods; rack-and-pinion focusing; metal negative carrier; masks included for 2 1/4x3 1/4 film size or whatever size requested; film advance without removing roll; lamp housing tilts and swings; table-top toggle switch; double extension bellows; oversize condensers; interchangeable lenses. Price, without lens, \$79.50. Accessories include camera back, microscope adapter, copy stand, color filter holders, and lenses.

SOLARMATIC 120

Vertical; takes film sizes from 35-mm to 2 1/4x3 1/4; two-element condenser illumination; 8-diameter enlargement at baseboard; dustless negative carrier; leather bellows; 20x27 baseboard; table-top switch; can swing horizontally. Price, less lens, \$139.50. Choice of lenses available.

SOLARMATIC 4x5

Vertical; diffusion illumination; takes film sizes up to 4x5; dustless negative carrier; non-actinic baseboard; rack-and-pinion focusing; leather bellows. Price, less lens, \$169.50. Choice of lenses available.

MFR., Burke & James, Inc.



SPIRATONE

35

Vertical; takes 35-mm film size; condenser system; accepts a No. 211 75-watt lamp; 110 volts, a.c.; 10X diameter enlargement on baseboard with standard lens; focusing micrometer; provision against Newton's rings; film advance without removing roll; built-in red mask or filter for focusing; control switch in cord; metal carrier. Price, \$24.95. Accessory subminiature negative carrier; 1-, 1 1/8-, and 2-in. lenses available.

MODEL 35-C

Same as 35, above, but with removable enlarger head; converts into copy stand. Price, \$29.95.

4x5 COLOR PA

Takes film sizes from 2 1/4x2 1/4 to 4x5; 75-watt lamp; double condensers; 110 volts; louver ventilation; accepts lenses from 2- to 6-in.; rack-and-pinion focusing; glass sandwich negative carrier; masks for 4x5, 2 1/4x2 1/4, 2 1/4x3 1/4; film advance without removing roll; lamp housing turns to permit bigger enlargements; built-in red filter for focusing; line switch; head removable to convert enlarger into copy stand; wall bracket for extra support; dust cover; parallelogram system; color head drawer. Price, \$79.95. Available accessories: lenses; easels; set of 18 color correction filters, \$14.95.



4x5 COLOR PROFESSIONAL

Features similar to Spiratone 4x5 Color PA but has micrometer focusing and does not have parallelogram system. Price, \$64.95.

66

Vertical; takes film sizes from 35-mm to 2 1/4x2 1/4; condenser system; uses No. 211 lamp; 110 volts, a.c.; 6X diameter enlargement on baseboard with 3-in. lens; rack-and-pinion focusing; metal carrier; provision against Newton's rings; film advance without removing roll; lamp housing swings to permit bigger enlargements; control switch on cord. Price, \$24.95, without lens. Accessories available include 1-, 1 1/8-, 2-, and 3-in. lenses, 35-mm and superslide carriers, easels and foot switch.

MODEL 66-2P

Same as 66, above, but with two-piece 26-in. brass pole. Price, \$29.95. Accepts same accessories.



D356

Vertical; takes film sizes from 35-mm to 2 1/4x2 1/4; condenser system; 150-watt lamp; 110 line voltage; 2- or 3-in. Spiratone f/3.5 lens with click stops down to f/16; 1-in. lens for subminiature film, 35-mm lens for single-frame 35-mm film available; 10 diameters enlargement on baseboard; bellows focusing; metal negative carrier; provision against Newton's rings; mask included for one film size; film advance without removing roll; control switch on line; built-in red mask for focusing; parallelogram; color and variable-contrast filter drawer; converts to copy stand with head removed. Price, \$39.95; set of 18 color-printing filters, \$7.95. Enlarging easel available.

MFR., Spiratone, Inc.

STILL & MOVIE FILMS

BLACK & WHITE STILL FILMS

(See chart of Average Filter Factors on page 52C.)

FILM NAME	TYPE	EXPOSURE INDEX (ASA or equivalent)		SPECIAL CHARACTERISTICS, USES, ETC.
		DAY	TUNG.	
ADOX Dist., The FR Corp.				
35-MM (20- and 36-exp. loads)				
Adox KB14.....	Pan	20	16	Ultra-fine grain, high resolution
Adox KB17.....	Pan	40	32	Same as above
Adox KB21.....	Pan	100	80	Same as above
ROLL FILM				
Adox R14.....	Pan	20	16	Ultra-fine grain, high resolution
Adox R17.....	Pan	40	32	Same as above
Adox R21.....	Pan	100	80	Same as above
AGFA				
35-MM (20- and 36-exp. loads)				
Agfa Isopan-1FF (a).....	Pan	25		Ultra-fine grain, medium contrast, good latitude, excellent contour sharpness, maximum speed
Agfa Isopan-1F (a).....	Pan	100		Fine grain, excellent latitude, good contrast, excellent contour sharpness; for general purposes
Agfa Isopan-ISS (a).....	Pan	200		Normal grain, good contrast, excellent latitude; stepped-up red sensitivity, excellent contour sharpness; all-purpose film
Agfa Isopan-Ultra (a).....	Pan	400		High speed with stepped-up red sensitivity and reasonable grain; good contrast; excellent contour sharpness; single-layer emulsion; for available-light and fast motion photography
Agfa Isopan Record (a).....	Pan	1250		For maximum quality with subjects of normal contrast at 1250 ASA and with subjects of low contrast at 3200 to 4000 ASA
ROLL FILM				
Agfa Isopan-1FF.....	Pan	25		See 35-mm above
Agfa Isopan-1F.....	Pan	100		See 35-mm above
Agfa Isopan-ISS.....	Pan	200		See 35-mm above
Agfa Isopan-Ultra.....	Pan	400		See 35-mm above
Agfa Isopan Record.....	Pan	1250		See 35-mm above
SHEET FILM				
Agfa Isopan-1FF.....	Pan	25		Ultra-fine-grain; medium contrast; good latitude; excellent contour sharpness; maximum speed
Agfa Isopan-1P Clear Base & Matte Base.....	Pan	200		See 35-mm above
Agfa Isopan Record.....	Pan	1250		See 35-mm above
Agfa Isopan-Ultra.....	Pan	400		See 35-mm above
ANSCO				
35-MM (20- and 36-exp. loads)				
Super Hypan (c).....	Pan	500/7°		Extremely high speed; fine grain; gradation control through processing manipulation; for sports, existing-light, general purpose photography
Versapan.....	Pan	125/5°		High-speed, extremely fine grain; 20-exp. cartridge

continued on next page

FILM NAME	TYPE	EXPOSURE INDEX (ASA or equivalent)		SPECIAL CHARACTERISTICS, USES, ETC.
		DAY	TUNG.	
ANSCO <i>continued</i>				
ROLL FILM & FILM PACK				
All-Weather (b).....	Pan	125/5°		General outdoor and flash work, wide exposure latitude See 35-mm above; available in 4x5 film packs and 120 and 620 rolls High-speed, extremely fine grain; 20-exp. cartridge
Super Hypan	Pan	500/7°		
Versapan	Pan	125/5°		
SHEET FILM				
Commercial Ortho.....	Ortho	50	12	Fine grain; for copy, commercial, general See 35-mm above; available in 4x5 sheets Orthochromatic, fine grain, high-speed; for male and baby portraits, industrial, scenic, news, and architectural photographs High speed, for press, indoors, action Medium speed, moderate grain Extreme speed for press, portraits, etc. Medium speed; ultra-fine grain
Super Hypan 4x5.....	Pan	500		
Super Hy-Ortho.....	Ortho	250		
Superpan Press.....	Pan	200		
Superpan Portrait.....	Pan	100		
Triple S Pan.....	Pan	400		
Versapan 4x5.....	Pan	100		
ATLAS				
35-MM.....	Pan	200		Available in 20-exp. cartridges
DU PONT				
SHEET FILM				
"Cronar" ® Arrow Pan.....	Pan	320		High speed; portraiture Clear brilliant gradation; for commercial and copy All purpose, medium grain, extra fast Extremely fast, moderately high contrast For general use; fully color sensitive
"Cronar" Commercial S.....	Bl. sens.	64	25	
"Cronar" High Speed Pan.....	Pan	320		
"Cronar" Press.....	Pan	400		
"Cronar" "X-F" Pan.....	Pan	125		
DYNAPAN				
Dist., Dynacolor Corp.				
ROLL FILM				
Sizes 620, 127, 120.....	Pan	160		High-speed, all purpose. Available in twin packs—two rolls per pack
FERRANIA				
Dist., Kling Photo Corp.				
16-MM for Gami-16				
P-3 Fine Grain.....	Pan	50		Available in 30-exp. cartridge
FR SUBMINIATURE FILM				
Dist., The FR Corp.				
16-MM (20-exp. loads for Minolta 16 cameras)				
Respooled Panatomic-X.....	Pan	40	40	
Respooled Plus-X.....	Pan	160	160	
Respooled Tri-X.....	Pan	400	400	
ILFORD				
35-MM				
Ilford Pan F (a) (c) (d).....	Pan	50	50	Medium speed, medium-to-high contrast; grain almost negligible Medium speed, medium-to-high contrast; fine grain Very fast, medium contrast, medium grain Extreme speed; soft gradation
Ilford FP3 Series 2 (a) (c) (d) (k).....	Pan	125	125	
Ilford HP3 (a) (c) (d).....	Pan	400	400	
Ilford HPS (a) (c) (d).....	Pan	800	800	
ROLL FILM				
Ilford FP3 Series 2 (b).....	Pan	125	125	Medium speed; medium-to-high contrast; fine grain. Available in 120, 620, and 127 sizes only Very fast, medium contrast, medium grain. Sizes as above Extreme speed; soft gradation. Sizes as above
Ilford HP3 (b).....	Pan	400	400	
Ilford HPS (b).....	Pan	800	800	
SHEET FILM				
Ilford FP3, Series 2.....	Pan	125	125	Medium speed; fine grain film Fast film, medium contrast Fast, medium contrast (matte backing) Pan film, extreme speed, soft gradation High speed, medium contrast
Ilford HP3.....	Pan	400	400	
Ilford HP3M.....	Pan	400	400	
Ilford HPS.....	Pan	800	800	
Hyperchromatic.....	Ortho	400	400	

FILM NAME	TYPE	EXPOSURE INDEX (ASA or equivalent)		SPECIAL CHARACTERISTICS, USES, ETC.
		DAY	TUNG.	
KLING				
16-MM for Gami-16				
Ilford FP3	Pan	100		Fine grain. Available in 30-exp. cartridges Ultra fine grain. Available in 30-exp. cartridges
Ilford Pan F	Pan	25		
KODAK				
35-MM (20- and 36-exp. magazines and long rolls)				
Kodak Panatomic-X	Pan	40		Extreme fine grain, sharpness Fine grain; general miniature work High speed, for existing and artificial light
Kodak Plus-X Panchromatic (a)	Pan	160		
Kodak Tri-X	Pan	400		Use with red filter; unusual effects Copy books, newspapers, letters, etc.
Kodak Plus-X Portrait (j)	Pan	160		
Kodak Infrared (a) (c)	I.R.	20		Scientific, flash, research photography Reversal film for making slides Printing positive transparencies
Kodak High-Contrast Copy (a) (c)	Pan	64		
Kodak High Speed Infrared (long roll only)	I.R.	80		Extreme fine grain, sharpness for great enlargements Moderate-speed pan for general use Medium-speed; extremely fine grain Very fast Super speed, for available light and low illumination
Kodak Direct Positive	Pan	80		
Kodak Fine Grain Positive (a)	Bl. sens.			
ROLL FILM & FILM PACK				
Kodak Panatomic-X (b)	Pan	40		Super speed; available light and low-level illumination High-speed, highly red-sensitive for portraiture, commercial, and illustrative work
Kodak Verichrome Pan (h)	Pan	125		
Kodak Plus-X Pan Professional (l)	Pan	125		High speed; press, portrait, and general use Moderate speed; press, portrait and general use
Kodak Tri-X	Pan	400		
Kodak Royal-X Pan (b)	Pan	1250		Moderate speed; portrait and general use Medium-speed; extremely fine grain Low speed; portraiture with electronic flash, general use
SHEET FILM				
Kodak Royal-X Pan	Pan B	1250		Low speed; extremely fine grain, copying, murals, duplicate negatives Low speed with red filter for haze penetration, unusual effects, scientific
Kodak RS Pan	Pan C	650		
Kodak Tri-X Pan (Estar)	Pan B	320		High speed, portrait and general use Low speed; portraits of men, long scale for general use
Kodak Royal Pan	Pan B	400		
Kodak Super Panchro-Press, Type B	Pan B	250		Very low speed; improved highlight contrast in continuous tone copying Low speed; continuous tone copying
Kodak Super-XX Panchromatic	Pan B	200		
Kodak Plus-X Pan	Pan	125		Same as above but with matte emulsion and base Medium speed; high contrast for copying colored line originals
Kodak Portrait Panchromatic	Pan B	125		
Kodak Panatomic-X	Pan B	64		Medium speed; has high dimensional stability
Kodak Infrared	Bl. & I.R.			
Kodak Royal Ortho	Ortho	400	250	Normal grain, good contrast, excellent latitude, fine sensitivity; all-purpose photography
Kodak Super Speed Ortho Portrait	Ortho	125	64	
Kodak Gravure Copy Film	Ortho	24	12	High-speed, good grain and contrast. Excellent for available-light and fast-action photography
Kodak Commercial	Bl. sens.	50	16	
Kodak Commercial Matte	Bl. sens.	50	16	For portraits; aids easy, fast retouching; Moderate; thin-emulsion; fine-grain press, portraiture, general use
Kodak Contrast Process Ortho	Ortho	100	50	
Kodak Contrast Process Pan	Pan B	100	80	
LUMIPAN PRESS				
Dist., Luminos Photo Corp.				
ROLL FILM				
Lumipan 127, 120, 160	Pan	100	80	Normal grain, good contrast, excellent latitude, fine sensitivity; all-purpose photography
Lumipan 127, 120, 160	Pan	250	200	
SHEET FILM				
Lumipan Portrait-Matte 2½x3½, 4x5, 5x7, 8x10	Pan	200	160	For portraits; aids easy, fast retouching; Moderate; thin-emulsion; fine-grain press, portraiture, general use
Lumipan Press 4x5, 5x7, 8x10	Pan	200	160	

continued on next page

FILM NAME	TYPE	EXPOSURE INDEX (ASA or equivalent)		SPECIAL CHARACTERISTICS, USES, ETC.
		DAY	TUNG.	
LUMIPAN PRESS <i>continued</i>				
70-MM				
Lumipan 100-ft.....	Pan	100	80	Fine grain; high resolution; clear base; unperforated Same as above Matte backing; ideal for retouching
	Pan	250	200	
	Pan	200	160	
MINOX				
50-exp. CARTRIDGES (2 cartridges per box)				
ASA 5.....	Ortho	5	5	For copying black-and-white line material; virtually grainless Ultra-fine grain Fine grain, medium-speed
ASA 25.....	Pan	25	25	
ASA 50.....	Pan	50	50	
36-exp. CARTRIDGES (2 cartridges per box)				
Kodak Plus-X.....	Pan	200	200	Sharp; fine grain High-speed
Kodak Tri-X.....	Pan	400	400	
PERFECT				
ROLL FILM				
Perfect Pan 127, 620, 120.....	Pan	125		
PERUTZ Dist., Burleigh Brooks, Inc.				
ROLL FILM				
Peromnia 21.....	Pan	100		Fast all-purpose film; highly panchromatic; reduced blue rendition; fine grain; wide exposure and developing latitude; halation-protected
SEARS				
ROLL FILM				
Sears 7125, 7126, 7127, 7108.....	Pan	125	80	Medium speed; available in sizes 127, 120, 620 High speed; available in sizes 127, 120, 620
Sears 7083, 7084, 7085.....	Pan	400	250	
35-MM				
Sears 7125, 7126, 7127, 7108.....	Pan	125	80	Same as 7125 above
SUPREME				
35-MM				
Var-I-Pan.....	Pan	50, 100, 200		Fine grain
ROLL FILM				
Var-I-Pan 127, 620, 120.....	Pan	100		Fine grain
Imperial Pan 120.....	Pan	400/7°		Super speed; fine grain
Supre-Tone 120.....	Pan	100/5° 160/5°		Fine grain
SHEET FILM				
Imperial Pan.....	Pan	400/7°		Same as above Fine grain
Var-I-Pan 4x5, 5x7, 8x10.....	Pan	50, 100, 250, 400		
46-MM				
Supre-Tone Portrait Pan.....	Pan	250/6°		Matte base; fine grain; unperforated
70-MM				
Sovereign Pan.....	Pan	100		Fine grain; unperforated Same as above. Also available in 90-mm. ASA 250 available with matte base
Supre-Tone Portrait Pan.....	Pan	200/6°		
YASHICA				
16-MM (24-exp. cartridges for Yashica 16 cameras)				
Respooled Plus-X.....	Pan	80		
NOTES: (a) 35-mm available in bulk loads. (b) Film available in roll film only (not in film pack too). (c) 35-mm only (not including 828 rolls).				
(d) 35-mm 36-exposure loads only (not 20-e xp.). (j) 70 mm, 100-ft only. (k) Also available in 20-exp. loads. (l) 4x5 film pack only.				

POLAROID BLACK-AND-WHITE FILMS

PRINT ROLLS	SPEED	FOR POLAROID LAND CAMERA MODELS	DEVELOPING TIME	NUMBER OF EXPOSURES
Polapan Type 32	400 daylight	Series 80, 80A, 80B	10 sec	8 2½x3¼-in.
Polapan Type 37	3000 daylight	Series 80, 80A, 80B, J33	10 sec	8 2½x3¼-in.
Polapan Type 42	200 daylight	All except J33, J66, 80, 80A, 80B, Automatic 100 and 101	10 sec	8 3¼x4¼-in.
Type 47	3000 daylight	All except J33, 80, 80A, 80B, Automatic 100 and 101	10 sec	8 3¼x4¼-in.
FILM PACK Type 107	3000	100 and 101	10 sec	8 3¼x4¼-in.
4x5 FILM PACKETS* Polapan Type 52	400 daylight	For use with #500 Polaroid Film Holder*	10 sec	12 4x5-in.
Type 55 P/N	50 daylight	*	20 sec	12 4x5-in.
Type 57	3200 daylight	*	10 sec	12 4x5-in.
Type 410 PolaScope	10,000 daylight	Oscilloscope cameras (for trace recordings) that accept 40 Series roll film		8 3¼x4¼-in.
Type 510	10,000 daylight		10-20 sec	12 4x5-in.
POSITIVE TRANSPARENCIES Type 46	800 daylight	All 40 Series roll-film except J66	2 min	8 2½x3¼-in.
Type 46L	800 daylight	Same as above	2 min	8 3¼x4-in.
PolaLine Type 146-L	120 daylight	Same as above	10 sec	8 3¼x4-in.

POLAROID POSITIVE COLOR FILMS

PICTURE ROLLS	SPEED	FOR POLAROID LAND CAMERA MODELS	DEVELOPING TIME	NUMBER OF EXPOSURES
Polacolor Type 38	75 daylight	J33 and Series 80 which have been factory converted	60 sec	6 2½x3¼-in.
Polacolor Type 48	75 daylight	All except J33, 80, 80A, 80B, Automatic 100 and 101	60 sec	6 3¼x4¼-in.
3¼x4¼ FILM PACK Polacolor Type 108	75 daylight	100 and 101	60 sec	8 3¼x4¼-in.
4x5 FILM PACKET Polacolor Type 58	75 daylight	For use in #500 Polaroid Film Holder	60 sec	10 4x5-in.

COLOR STILL FILMS

EXPOSURE FILTER DATA						TRANSPARENCY TYPES	
(italic numbers designate filters; bold numbers are exposure indexes; guide numbers are indicated as G. N.)						FILM NAME	
3200 K STUDIO LAMPS	SM-SF FLASH (a)	PHOTOFLOOD (3400 K)	CLEAR WIRE-FILLED FLASH (b)	ELECTRONIC FLASH (c)	DAYLIGHT		
				25	50	AGFACHROME CT 18	
80B+82A		80B	80C	50	50	ANSCOCHROME 50	
16		20	80C	100	100	ANSCOCHROME 100 DAYLIGHT TYPE	
80B+82A		80B	81A	N. R.	85B	ANSCOCHROME T/100 TUNGSTEN TYPE	
32		40	81D	200	200	ANSCOCHROME 200 DAYLIGHT TYPE	
100		50	80C		10	COLORCADE (Dist., Chemtrol Corp.)	
80B+82A		80B	80C		85	COLORCADE TYPE A (Dist., Chemtrol Corp.)	
64		80	200		10	DYNACHROME DAYLIGHT TYPE	
					10	DYNACHROME 25	
16					100	KLING (respooled Anscochrome Daylight) for Gami 16	
N. R.	See Instr. Sheet	80B	80C	10	10	KLING (respooled Anscochrome Type B) for Gami 16	
N. R.	N. R.	80B	80C	25	25	EKTACHROME DAYLIGHT TYPE (E-3)	
		12	80		50	EKTACHROME TYPE B (E-3)	
100					85B	EKTACHROME-X DAYLIGHT TYPE (E-2)*	
N. R.	N. R.	80C	G. N. 110	N. R.	25	HIGH SPEED EKTACHROME, DAYLIGHT	
32	N. R.	80B	G. N. 130	64	64	HIGH SPEED EKTACHROME, TYPE B	
80B+82A	N. R.	81A	G. N. 100	160	160	FOTOCHROME DAYLIGHT TYPE	
8	N. R.	12	G. N. 200	85B	80	FR SUBMINIATURE (respooled Anscochrome) for Minolta 16	
N. R.	N. R.	80C	G. N. 240	80	80	FR SUBMINIATURE (respooled Kodachrome II) for Minolta 16	
125	N. R.	100	G. N. 75	16	16	KODACHROME II, DAYLIGHT TYPE	
80B+82A	N. R.	80B		100	100	KODACHROME II PROFESSIONAL TYPE A	
16		8			25-30	KODACHROME-X, DAYLIGHT TYPE*	
		12-20			20	MINOX AGFACHROME CT-18	
N. R.	N. R.	80B	80C	25	25	PERFECT 35 HIGH SPEED	
82A	N. R.	12	80	N. R.	85	PERUTZ PERUCHROME (Dist., Burleigh Brooks, Inc.)	
32	N. R.	40	81C	10	10	SEARS 7260 (20-exp.) and 7261 (36-exp.) DAYLIGHT	
N. R.	N. R.	80B	G. N. 110	64	64	TECHNICOLOR	
		25	G. N. 110		25	YASHICA DAYLIGHT TYPE (respooled Kodachrome)	
N. R.	N. R.	N. R.	N. R.	25	25		
80B+82A		80B	80C	81A	32		
12		16	32	100	25		
N. R.	N. R.	80B	80C	See Instr. Sheet	25		
80B+82A		80B	81C	25	25		
8		12	80C		10		
3	N. R.	80B	G. N. 50	10	10		

(See footnotes on pages 46C-47C.)

[illegible]

EXPOSURE FILTER DATA

(Italic numbers designate filters; bold numbers are exposure indexes and guide numbers indicated by G. N.)

3200 K STUDIO LAMPS	SM-SF FLASH (a)	PHOTOFLOOD (3400 K)	CLEAR WIRE-FILLED FLASH (b)	ELECTRONIC FLASH (c)	DAYLIGHT
32	32	32	32	32	40
16 (e) at 5 sec. expos.	N. R.	<i>81A</i>	N. R.	N. R.	<i>85B</i>
	N. R.	12 (e)	<i>80C</i>		20 (e)
<i>82C</i>		<i>82A</i>	G. N. 120	<i>85</i>	<i>85C</i>
16 (f) <i>82C</i>		20 (f) <i>82A</i>	G. N. 120	<i>86</i>	25 (f)
16 (g) <i>82C</i>		20 (g) <i>82A</i>	G. N. 150	85	64 (d)
32	N. R.	40	(j)		20
<i>82C</i>		<i>82A</i>	G. N. 120	<i>85</i>	32 (d)
16 (g)		20 (g)		12	

NEGATIVE COLOR FILMS

FILM NAME

AGFACOLOR CN17
 EKTACOLOR TYPE L
 EKTACOLOR PROFESSIONAL TYPE S
 EKTACOLOR ROLL
 KODACOLOR
 KODACOLOR-X
 MINOX (Respoled Agfacolor CN14)
 TECHNICOLOR

N.R. Not recommended.

G.N. Guide number.

(a) Guide numbers are given for SM or SF bulbs in 4- to 5-in. polished reflector, 1/50 sec or slower shutter speed.

(b) Guide numbers for 5, 25, M5, M25 flashbulbs in proper

polished reflector, 1/50-1/60 sec shutter speed.

(c) Electronic flash units vary widely in color quality. Duration of flash also affects rendition. Check unit manufacturer for recommendations.

(d) No filter when printed by Kodak or local lab. For home

APPROXIMATELY EQUIVALENT FILTERS FOR COLOR

	Kodak; Accura; Enteco; Gallinger; Tiffen; Walz	Ednalite	Harrison & Harrison	Approximate Exposure Increase in f/stops*
WARMING	SALMON COLORED	Chrom B	C-5	2
		Chrom A	C-4	1½
		Chrom F	C-2	1
	PALE YELLOWISH	CTY-6	C-1	⅔
		CTY-5	C-¾	⅔
		CTY-4	C-½	⅓
COOLING		CTY-3	C-¼	⅓
		CTY-2	C-⅛	⅓
		CTY-1	C-⅛	⅓
	PALE BLUISH	CTB-1	B-¼	⅓
		CTB-2	B-¼	⅓
		CTB-3	B-½	⅔
		CTB-4	B-½	⅔
	BLUE	80C	B-2	1
		80B	B-4	2

*These figures are to be used only as a rough guide. Exact factor will depend on which filter, film, and light-source combination is used. Always check manufacturer's data carefully, then make your own practical tests.

Filter equivalency in this chart is based on filter use. Due to differences in manufacture, and systems of calculation and dyes used, it is impossible to specify exact filter equivalents.

SIZES AVAILABLE							PROCESSING			
9.5-MM	35-MM BULK	35-MM CARTRIDGES	828 (BANTAM)	127	120, 620	116, 616	SHEET FILM	BY USER	BY FILM MFR.	BY INDEPENDENT LABORATORIES
		*			*		*	*		*
					*		*	*		*
					*		*	*		*
					*		*	*		*
	(7)				*		*	*	*	*
		*	*	*	*	*	*	*	*	*
		*						*	*	*
*								*	(11)	*
				*	*			*	*	*

printing or custom lab use B5C filter and an index of 25.
 (e) Balanced for use at slow shutter speeds, $\frac{1}{5}$ sec or longer.
 (f) Designed for exposure times of $\frac{1}{10}$ sec or shorter.
 (g) Shoot at exposure times of $\frac{1}{2}$ sec or shorter.
 (h) Minox Processing Labs.

(j) At 3-14-ft. distances.
 (y) Available in 28-ft. rolls.
 (x) Available in 100-ft. rolls.
 *Also available in
 126 Kodapak cartridges.

COLOR CORRECTION FILTERS FOR TYPE B COLOR FILMS

(Ansachrome 100T; Ektachrome R-3, Type B; High-Speed Ektachrome, Type B.)
 Filters recommended are for approximate color temperature correction to 5200 K.

Light Source	Correction Filter	Approx. Exposure Increase in Stops
Candle	Wratten 79, Decamired B25	3
Matches	Wratten 79, Decamired B25	3
#31 Flashlight Lamp	Wratten 82C, Decamired B5	$\frac{3}{4}$
10-Watt	Wratten 82C, Decamired B5	$\frac{3}{4}$
40-Watt	Wratten 82C, Decamired B5	$\frac{3}{4}$
60-Watt	Wratten 82C, Decamired B5	$\frac{3}{4}$
100-Watt	Wratten 82B, Decamired B4	$\frac{3}{4}$
150-Watt	Wratten 82B, Decamired B3	$\frac{3}{4}$
500-Watt 3200K @ 130V	No filter req.	
500-Watt 3200K @ 120V	No filter req.	
500-Watt 3200K @ 110V	Wratten 82, Decamired B1	$\frac{1}{4}$
500-Watt 3200K @ 100V	Wratten 82A, Decamired B2	$\frac{1}{4}$
500-Watt 3200K @ 90V	Wratten 82B, Decamired B3	$\frac{3}{4}$
500-Watt 3200K @ 80V	Wratten 82C, Decamired B5	$\frac{3}{4}$
500-Watt 3200K @ 70V	Wratten 78B, Decamired B6/B7	1
500-Watt 3200K @ 60V	Wratten 82+82B+82C, Decamired B9	1 $\frac{1}{2}$
Daylight	Wratten 85B, Decamired R13	
Photoflood	Wratten 81A, Decamired R3	
Clear Flashbulbs	Wratten 81D, Decamired R5	

NOTE: Since individual lighting conditions can vary considerably, use these figures only as a guide to color balance. Filter recommendations are based on data furnished by manufacturers, plus practical field tests. Decamired equivalents have been rounded off to the nearest usable figure.

MOVIE FILMS

(See charts with filter information on pages 46 C, 47 C, and 52 C.)

Film Width in mm	FILM NAME	TYPE	EXPOSURE INDEX ASA or equivalent		LENGTHS in FEET AND PACKING	SPECIAL CHARACTERISTICS, FEATURES, AND USES
			Day	Tung.		
8	AGFA Agfachrome CT 13 S	Color	16		25 ft D.L.	Fine-grain, very thin emulsion
16	ANSCO Anscochrome D 100	Color	100	40(a)	100 ft. D.L. rolls; 50 ft. Mag.	Processing at 80 F. High-speed
16	Anscochrome T 100	Color	80(a)	100	100 ft. D.L. rolls; 50 ft. Mag.	Same as above.
15	Anscochrome D 200	Color	200	80(a)	100 ft. D.L. rolls; 50 ft. Mag.	Same as above.
Dbl. 8	Anscochrome Daylight	Color	20	10(a)	25 ft. rolls	High-speed, fine grain
Dbl. 8	Anscochrome, Type A	Color	16(a)	10	25 ft. rolls	High-speed, fine grain
Spl. 8	BOLSEY Kodachrome, Daylight Type	Color	10		25 ft. D.L. magazine for Bolsey 8 camera	
Spl. 8	Kodachrome, Type A	Color	10(a)	12	As above	
Dbl. 8	CINEPHONIC Dist.: Fairchild Camera and Instr. Co. Cinephonic, Type A	Color	10(a)	12	50 ft. D.L. rolls	Balanced for 3200 K photoflood
Dbl. 8	Cinephonic B&W	Pan	160	120	50 ft. D.L. rolls	
Dbl. 8	COLORCADE Dist.: Chemtrol Corp. Colorcade	Color	10	10(a)	50 ft D.L.	
Dbl. 8	Colorcade	Color	10(a)	16	50 ft D.L.	
16	DU PONT 928 A "Superior" 4 (negative)	Pan	320	250	100 ft., 200, 400 D.L.; 400, 600, 1,200 ft. L.P.	Highly sensitive, for low light levels.
35	928 B "Superior" 4 (negative)	Pan	320	250	100 D.L.; 200, 400, 1000 ft. L.P.	Same as above.
16	914 A (Neg. or Rev.)	Pan	32	25	100, 200 D.L.; 400, 1,200 ft. L.P.	Fine grain, wide latitude, medium speed.
16	930 A Rapid Reversal	Pan	50(b)	32(b)	100, 200, 400 D.L.; 400, 600, 1,200 ft. L.P.	Fine grain, wide latitude; for rapid reversal
16	931 A High Speed Rapid Reversal	Pan	64(b)	50(b)	100, 200, 400 D.L.; 400, 600, 1,200 ft. L.P.	Especially for extra-rapid processing
35	931 B High Speed Rapid Reversal	Pan	160(b)	125	100, 200, 400 D.L.; 400, 600, 1,200 ft. L.P.	Especially for extra-rapid processing
16	936 A Superior 2 (negative)	Pan	80	64	100 D.L.; 400, 1000 L.P.	Very fine grain, medium speed, wide latitude
16	936 B Superior 2 (negative)	Pan	125	100	100 D.L.; 200, 400, 1000 L.P.	Same as above
35	131 "Cronar" High Speed (Neg. or Rev.)	Pan	80	64	125, 250, 450 ft. D.L.; 500, 1,250 ft. L.P.	Especially for rapid processing.
35	131 "Cronar" High Speed (Neg. or Rev.)	Pan	160(b)	125(b)	125 ft. D.L.; 250, 500, 1,250 ft. L.P.	Same as above
16	136 "Cronar" Superior Fine Grain Negative	Pan	80	64	125, 250, 450 ft. D.L.; 500, 1,250 ft. L.P.	Fine-grain, medium-speed, wide latitude
35	136 "Cronar" Superior Negative	Pan	125	100	125 ft. D.L.; 250, 500, 1,250 ft. L.P.	Same as above
16	140 "Cronar" High Contrast Negative	Pan	80	64	125, 250, 450 ft. D.L.; 500, 1,250 ft. L.P.	High-contrast, fine-grain.
35	140 "Cronar" High Contrast Negative	Pan	80	64	125, 250, 450 ft. D.L.; 500, 1,250 ft. L.P.	Same as above
16 & 35	937 "Superior" 3 Negative	Pan	250	200	16-mm: 100, 200, 400 ft. D.L.; 400, 1,200 L.P. 35-mm: 100 ft. D.L.; 200, 400, 1,000 ft. L.P.	For professional motion picture and television production

Film Width in mm	FILM NAME	TYPE	EXPOSURE INDEX ASA or equivalent		LENGTHS in FEET AND PACKING D.L.=Daylight Loading Mag.=Magazines; B=Bulk	SPECIAL CHARACTERISTICS, FEATURES, AND USES
			Day	Tung.		
DYNACHROME						
Dbl. 8	Dynachrome 25	Color	25	12(a)	25 ft. D.L. rolls	Reversal, fine grain
Dbl. 8	Dynachrome 40	Color	25(a)	40	25 ft. D.L. rolls	Reversal, fine grain
Dbl. 8	Natural Color, Daylight Type	Color	10	5(a)	25 ft. D.L. rolls	Reversal
Dbl. 8	Natural Color, Type A	Color	10(a)	16	25 ft. D.L. rolls	Reversal
ESO-S						
16	Durachrome Daylight or Tungsten	Color	10	16	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mag. and 100 ft. D.L. for H-8 Bolex, also 100 ft. and 400 ft. B.	Subtractive dyed image, practically grainless
Dbl. 8	Durachrome Daylight or Tungsten	Color	10	16	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Subtractive dyed image, practically grainless
16	Miracle Color Daylight or Tungsten	Color	25(a)	40	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Subtractive dyed image, practically grainless
Dbl. 8	Miracle Color Daylight or Tungsten	Color	25(a)	40	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Subtractive dyed image, practically grainless
16	Deluxe Sepia (Rev.)	Ortho	20	5	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Has characteristic sepia color when finished. Requires no filters.
Dbl. 8	Deluxe Sepia (Rev.)	Ortho	20	5	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Has characteristic sepia color when finished. Requires no filters.
16	Miracle Hi-Speed (Rev.)	Pan	250	200	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Super-speed; reversible.
Dbl. 8	Miracle Hi-Speed (Rev.)	Pan	250	200	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Super-speed; reversible.
Sgl. 8	Miracle Hi-Speed (Rev.)	Pan	250	200	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Super-speed; reversible.
Dbl. 8	4-S Hi-Speed	Pan	800	600	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Recommended for very poor light conditions.
16	4-S Hi-Speed	Pan	800	600	100 ft. and 200 ft. D.L. sound and sil. perf. 50 ft. 16-mm mags., and 100 ft. D.L. for H-8 Bolex, also 100 ft. D.L.; also 100 ft. B.	Same as above.
16	Super Panchro (Rev.)	Pan	32	20	25 ft. D.L.; also 100 ft. D.L. for H-8 Bolex, also 100 ft. and 400 ft. B.	Reversible.
Dbl. 8	Super Panchro (Rev.)	Pan	32	20	25 ft. D.L. for B&H Straight 8, Reverse C-8, Univex and Movex 8 mags.	Reversible.
Sgl. 8	Super Panchro (Rev.)	Pan	32	20	25 ft. D.L. for B&H Straight 8, Reverse C-8, Univex and Movex 8 mags.	Reversible.
Dbl. 8	Standard	Ortho	20	10	8-mm: 25 ft. D.L.; 16-mm: 100 ft. D.L.; both: 200 ft. B.	For outdoors.
Dbl. 8 & 16	Hi-Speed Color	Color	100(a)	125	8-mm: 25, 100 ft. D.L.	Tungsten type.
FOTOCROME						
Dbl. 8	Fotocrome	Color	16	24	25-ft. spool load.	Very fine grain; medium speed.
ILFORD, INC.						
16 & 35	Ilford Pan F Negative Cine Film	Pan	50	50	100 ft. D.L. and B.	Fast fine grain; medium contrast.
16 & 35	Ilford FP3 Negative Cine Film Series 2	Pan	125	400	100 ft. D.L. and B.	High-speed.
16 & 35	Ilford HP3 Negative Cine Film	Pan	400	800	100 ft. D.L. and B.	High-speed.
16 & 35	Ilford HPS Negative Cine Film	Pan	800	800	100 ft. D.L. and B.	High-speed.
KIN-O-LUX						
16	Kin-O-Lux T-V (Rev.)	Pan	64	50	100, 200 ft. D.L. Rolls; 400, 1200 ft. B.	Medium speed.
16	New Gold Seal	Pan	200	160	100, 200 ft. D.L. Rolls; 400, 1200 ft. B.	Use under poor light or tungsten.
Dbl. 8	Kin-O-Lux T-V (Rev.)	Pan	64	50	25, 100 ft. D.L. Rolls	Medium speed; fine-grain.
Dbl. 8	New Gold Seal	Pan	200	160	25, 100 ft. D.L. Rolls	Use under poor light or tungsten.

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Film Width in mm	FILM NAME	TYPE	EXPOSURE INDEX		LENGTHS in FEET AND PACKING D.L.=Daylight Loading Mag.=Magazines; B=Bulk	SPECIAL CHARACTERISTICS, FEATURES, AND USES
			Day	ASA or equivalent Tung.		
KODAK						
16	Kodachrome II, Daylight Type	Color	25	12(a)	100, 200-ft. D.L. rolls; 50-ft. mag.	Medium speed; reversal. Extra high speed; wide exposure and development latitude; reversal
16	Kodachrome II, Type A (Photoflood)	Color	25(a)	40	Same as above	
Dbl. 8	Kodachrome II, Daylight Type	Color	25	12(a)	25, 100 ft. D.L. rolls; 25 ft. mag.	
Dbl. 8	Kodachrome II, Type A (Photoflood)	Color	25(a)	40	Same as above	
16	Plus-X Reversal	Pan	50	40	100, 200 ft. camera spools; 400, 1200 ft. on core; 50 ft. mag.	
16	Tri-X Reversal	Pan	200	160	100, 200 ft. D.L. rolls; 400, 1,200 ft. on core and 50 ft. magazine	
16	Double-X Negative	Pan	250	260	100, 200 ft. D.L. rolls	
16	Tri-X Negative	Pan	370	250	100, 200 ft. D.L. rolls	
16	Plus-X Negative	Pan	80	64	100, 200 ft. D.L. rolls	
16	Fine Grain Positive	Bl. Sens.		2	100, 200 ft. on core	
Dbl. 8	Fine Grain Positive	Bl. Sens.		2	100 ft. on core	Medium high speed; negative Same as above; negative Medium speed; negative For printing from negatives, title making For printing from negatives, title making
PERFECT PHOTO, INC.						
Dbl. 8	Perfect 8 Hi-Speed	Color	25	40	25 ft. D.L. rolls	Reversal. Reversal. Reversal.
PERUTZ						
Dbl. 8	Dist., Burleigh Brooks	Pan	25	16	25-ft D.L.	Sound tracking available
Dbl. 8	Perutz Perkin U15	Pan	100	80	25-ft D.L.	
Dbl. 8	Perutz Perkin U21	Pan	400	320	25-ft D.L.	
SEARS						
8	Sears Color 7270, Daylight	Color	25	40	25 ft. D.L. rolls	Subtractive dyed image type; screenless Same as above. Subtractive dyed image type Same as above. Fine grain, soft contrast. Hardened emulsion for high speed processing at high temperatures. For home processing. Same as above. Fine grain, wide latitude, non-halo base, good contrast; for home processing. Same as above.
8	Sears Color 7271, Indoor Type A	Color	25(a)	40	25 ft. D.L. rolls	
Dbl. 8	Superior Color, Daylight Type	Color	10	3	25 ft. D.L.	
SUPERIOR BULK FILM CO.						
Dbl. 8	Superior Color, Daylight Type	Color	10	3	100 ft. D.L.; 50 ft. Mag.	Subtractive dyed image type; screenless Same as above. Subtractive dyed image type Same as above. Fine grain, soft contrast. Hardened emulsion for high speed processing at high temperatures. For home processing. Same as above. Fine grain, wide latitude, non-halo base, good contrast; for home processing. Same as above.
16	Superior Color, Tungsten Type A	Color	10(a)	16	25 ft. D.L.	
Dbl. 8	Superior Color, Tungsten Type A	Color	10(a)	16	100 ft. D.L.; 50 ft. Mag.	
Dbl. 8	Speed XX	Pan	10(a)	200	25 ft. D.L.; 200, 400, 1000 ft. B.	
16	Speed XX	Pan		200	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	
Dbl. 8	Superior 40	Pan	32	20	25 ft. D.L.; 200, 400, 1000 ft. B.	
16	Superior 40	Pan	32	20	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	
16	Superior 40	Pan		20	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	
16	Superior 40	Pan		20	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	
16	Superior 40	Pan		20	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	

Film Width in mm	FILM NAME	TYPE	EXPOSURE INDEX ASA or equivalent		LENGTHS in FEET AND PACKING D.L.=Daylight Loading Mag.=Magazine; B=Bulk	SPECIAL CHARACTERISTICS, FEATURES, AND USES
			Day	Tung.		
SUPERIOR <i>continued</i>						
Dbl. 8	Superpanex 64	Pan	64	40	25 ft. D.L.; 200, 400, 1000 ft. B.	Fine grain, wide latitude; good contrast. Specially hardened emulsion for processing at high temperatures.
16 Dbl. 8	Superpanex 64	Pan	64	40	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	Same as above.
16 Dbl. 8	Super 500	Pan	650	500	25 ft. D.L.	Gray non-halo base; fine grain considering speed; wide latitude.
16 Dbl. 8	Super 500	Pan	650	500	100 ft. D.L.; 50 ft. Mag.	Same as above.
16 Dbl. 8	Eastman Tri-X Reversal	Pan	200	160	25 ft. D.L.; 100 ft. B.	Wide exposure and development latitude. For home processing.
16 Dbl. 8	Eastman Tri-X Reversal Plus	Pan	200	160	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1200 ft. B.	Same as above.
16 Dbl. 8	Plus	Ortho	16	3	25 ft. D.L.; 200, 400, 1000 ft. B.	Extreme fine grain; medium latitude; blue non-halo base; high contrast for copying. Can be processed under red safe light.
16 Dbl. 8	Plus Positive	Bl. Sens.	16	3	100 ft. D.L.; 50 ft. Mag.; 200, 400, 1000 ft. B.	Same as above.
16 Dbl. 8	Positive	Bl. Sens.	5	5	400, 1200 ft. B.	Fine grain release positive for printing. Can be reversed. Clear base.
16 Dbl. 8 & 16	Superior 36	Pan	325	250	8-mm; 25, 100 ft., D.L.; 16-mm; 100 ft. D.L.; both 100, 200, 400, 1,200 ft. B.	Reversal-type; high-speed; opaque backing.
16 Dbl. 8 & 16	Superior 30	Pan	80	64	8-mm; 25, 100 ft., D.L.; 16-mm; 100 ft. D.L.; both 100, 200, 400, 1,200 ft. B.	Reversal-type; medium-speed; fine-grain; opaque backing.
Dbl. 8	VAR-I-PAN <i>Dist., Supreme Photo Supply Co., Inc.</i> Var-I-Pan	Pan	50	32	25 ft. D.L. Mag.; 16-mm; 100 ft. D.L.	Reversal.
Dbl. 8 & 16	WESTERN CINE SERVICE Ektachrome ER Type B	Color	80 (a)	125	25 ft. D.L. Mag.; 16-mm; 100 ft. D.L.	Reversal type.
Dbl. 8	Plus-X Reversal	Pan	50	32	25, 100 ft. D.L. rolls; 25 ft. Mag.; 400, 1200 ft. B.	Same as above.
Dbl. 8	Plus-X Reversal	Pan	50	32	50, 100 ft. D.L. rolls; 400, 1200 ft. B.	Same as above.
Dbl. 8	Tri-X Reversal	Pan	200	160	25, 100 ft. D.L. rolls; 25 ft. Mag.; 400, 1200 ft. B.	Reversal type; also available in pre-stripped magnetic.
Dbl. 8	Tri-X Reversal	Pan	200	160	50, 100 ft. D.L. rolls; 400, 1200 ft. B.	
Dbl. 8 & 16	Superspeed	Pan	600	500	8-mm; 25-, 100-ft. D.L.; 16-mm; 100-ft. D.L.	

*Free processing on D.L. and magazines only.

(a) With filter recommended by the manufacturer.

(b) As reversal film.

(c) Not recommended for use with this illumination.

(d) Also available perforated one edge for sound, rolls only.

(e) Trial exposure on white card with no lettering.

NOTES:

*Free processing on D.L. and magazines only.
 (a) With filter recommended by the manufacturer.
 (b) As reversal film.
 (c) Not recommended for use with this illumination.
 (d) Also available perforated one edge for sound, rolls only.
 (e) Trial exposure on white card with no lettering.

NOTES:

AVERAGE FILTER FACTORS FOR PANCHROMATIC FILMS

FILTER COLOR	WRATTEN DESIGNATION	SUNLIGHT	TUNGSTEN
Light Yellow	K1	1.5	1.5
Medium Yellow	K2	2*	1.5
Light Green	X1	4	3*
Dark Green	X2	5	4
Deep Yellow, or Orange	G	3	2
Medium Red	A	8	5
Blue	CS	5	10

EXPOSURE METERS

ACCURA



CDS

Cadmium-sulfide-type for still and movie cameras; measures reflected light; calibrated in ASA speeds from 10 to 3,200; reads direct from $f/1$ to $f/22$, LVS or EVS settings from 1 to 20, exposure times from 30 sec to $1/2,000$ sec; one-hand dial; zero adjustment; high-low sensitivity switch yielding a ratio of 125 to 1 on single button-type switch, (releasing button opens circuit insuring long battery life); mounts in case, on camera accessory shoe, or may be hand-held. Price, \$9.95; case and neck strap, \$1.

DIST., Accura, Ltd.

ACTINO

ACTINO U

Photoelectric type; for daylight; measures reflected and incident light; for ASA speeds of 6 to 400 and DIN; for use with movie and still cameras; indicates f -stops from 1.4 to 22, shutter speeds from 60 to $1/500$ sec, LVS and fps settings; one-hand dial; direct reading. Price on request.

52 C



ACTINOS

Similar to above but for emulsion speeds to 1280; indicates f -stops from 1 to 45, shutter speeds to $1/1000$ sec; zero adjustment.

DIST., L. Earl Deane

ADDIPHOT



Extinction type for still and movie cameras; measures reflected and in-

cident light; can be used for flash exposures; calibrated in ASA speeds from 6 to 200; reads directly from $f/2$ to $f/32$; exposure times from 30 min to $1/1000$ sec. Price, with leather case, \$3.98.

DIST., Silver Bells, Ltd.

AGFA



LUCIMAT

Photoelectric type; measures reflected and incident light; for ASA speeds of 10 to 2000 and DIN; for use with movie and still cameras; indicates f -stops from 1.4 to 32, shutter speeds from 8 to $1/1,000$ sec, LVS and fps settings; one-hand dial; direct reading; indicator needle lock; zero adjustment; built-in bright-level mask. Price, \$29.95; case, \$3.

LUCIMETER S

Measures reflected and incident light; calibrated in ASA speeds from 10 to 1,600 and DIN system; reads direct in



f-stops and LVS; zero adjustment; coincidence-type with automatic temperature-compensating device. Price, \$19.95; case, \$1.50.
DIST., Agfa Inc.

ALPEX



AUTO EXPOSURE

For still cameras; measures reflected light; calibrated in ASA speeds from 6 to 3200; f-stop scale from f/1 to f/32; EVS settings from 1 to 18; exposure times from 30 to 1/1000 sec; pocket-size, weighs 3.2 oz. Price, under \$10.

DIST., Interstate Photo Supply Corp.

ASCOR

M801 TYPE 1501B INTEGRATING LIGHT-METER

For electronic flash exposures; reads directly in film speeds; table converts to f-stops or foot candle seconds; calibrated in ASA speeds from 8 to 400; incident attachment and ground-glass probe included. Price, \$315.

MFR., American Speedlight Corp.

BEWI

AUTOMAT B

Photoelectric type for still and movie cameras and flash exposures; measures reflected and incident light; calibrated in EV numbers, DIN, and ASA speeds from 2.5 to 3200; reads direct in half stops from f/1.4 to f/32; exposure times from 8 min to 1/1000 sec; has push button which holds needle for reading. Price, with inci-



dent light diffuser, case, and carrying cord, \$29.50.



AUTOMAT C CLIP-ON

Photoelectric type for still and movie cameras; measures reflected and incident light; calibrated in EV numbers and ASA speeds from 10 to 2500; reads direct from f/2 to f/32; exposure progress in half stops; exposure times from 4 sec to 1/1000 sec; fits camera accessory shoe; has push button which holds needle for reading; meter can be turned for reading without turning camera. Price, with incident light diffuser and case, \$22.50.



QUICK

Photoelectric type; for daylight and artificial light; measures reflected and incident light; calibrated in ASA speeds from 10 to 3200; for use with movie and still cameras; indicates f-stops; LVS, EVS, Polaroid settings, shutter speeds, and fps settings; one-hand dial. Price, \$16.45, includes case and Perlon cord.

SUPER CDS

Cadmium-sulfide-type for use with still and movie cameras; measures reflected and incident light; calibrated in DIN from 12 to 36 and for ASA speeds from 12 to 3,200; reads direct from f/1 to f/45; EV settings from -3 to 20; shutter speeds from one hour to 1/1,000 sec; fps settings from



8 to 128; one-hand dial; reads direct; lightweight. Price, including neck strap and reading light, \$49.50.
DIST., Burleigh Brooks Inc.

BOGEN



MULTI-REX

CdS type for still and movie cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA film speeds from 6 to 12,000 and DIN; indicates f-stops and LVS or EVS settings, shutter speeds, and fps settings; reads by conversion scale; indicator needle lock; zero adjustment; built-in bright level mask. Price, including case, \$39.95.

DIST., Bogen Photo Corp.

BOLEX



MODEL H

Cadmium-sulfide type for use with Bolex H-8 and H-16 movie cameras (can also be used with other Bolex models as well as other makes of still and movie cameras by changing sensitivity rating); measures reflected and incident light (diffusion sphere supplied with meter); uses Mallory PX-13 battery; 12-degree measuring angle; calibrated in ASA film speeds from 6 to 1600; in DIN from 9 to 33; fps settings from 12 to 64; f-stops from 1 to 22; battery check; zero adjustment; indicator needle lock; slides into shoe mounted over taking lens; weight, 3 oz. Price, \$45.

DIST., Paillard Inc.

EXPOSURE METERS

continued

BOWER

CLIP-ON

Fits camera accessory shoe; for still and movie cameras; for 8-3200 speed films, $f/1$ to $f/32$, shutter speeds 15 to 1/1000 sec; LV, 8-64 fps movie camera speed settings. Price, with case, \$9.95.

MODEL IX

For still and movie cameras; $f/1$ to $f/32$, shutter speeds 4 to 1/1000 sec; LV scale; Polaroid settings; for use with film speeds 6-6400. Price, with case, \$6.95.

DIST., Saul Bower, Inc.



FOTO-METER Z-4

Photoelectric type for still and movie cameras; measures reflected light; calibrated in ASA speeds from .2 to 6400 and Polaroid, LVS or EVS, and ft Lamberts from .1 to 6400 and up; reads in full stops (and $1/4$ stops by interpolation) from $f/1$ to $f/45$; exposure progress in full stops; exposure times from 1/1000 sec to 8 sec and up by interpolation; gives spot readings covering a 2-degree angle of reflected light; CdS cell. Price, \$104.95, with leather case.



1/32,000 sec. Price, with case, neck cord, and incident light attachment, \$36. DynaCell light multiplier, with case, \$7.95.

MFR., General Electric Co., Instrument Dept.

FILTER CALCULATOR



For black-and-white and color films; slide-rule type; for ASA speeds of 5 to 1000; exposure times from 1 to 1/1,000 sec; lens openings from $f/1.2$ to $f/32$; gives instant readings on modified f -stops, shutter speeds, or film exposure index for all films when using filters. Price, \$1, ppd.

MFR., Borca Photo Studios



FOTO-METER HSZ-5

Photoelectric type for use with movie cameras; for daylight and artificial light; measures reflected light; calibrated in ASA speeds 2.5 to 20,000; indicates f -stops from 1 to 32 and fps from 100 to 20,000; reads by conversion scale; zero adjustment; spot-reading optical instrument, cadmium sulfide cell. Price, including leather case, \$187.



FOTO-METER 92

Measures reflected light (down to a 4-degree angle); calibrated in ASA speeds from 1 to 16,000; reads in f -stops, from $f/1$ to $f/45$; shutter speeds from 30 to 1/2000 sec; LVS; Polaroid settings; powered by single-cell mercury battery; view of scene, photo-sensitive spot, meter reading superimposed in optical viewfinder. Price, \$49.95, including case.

MFR., Fotomatic Corp.

FOTOMATIC



MR-2

Photoelectric type meter and densitometer; for daylight and artificial light; measures reflected and incident light; conversion chart for f -stops and exposure times furnished; cadmium sulfide cell; zero adjustment. Price, including meter unit and incident probe, \$192.

GENERAL ELECTRIC

GOLDEN CROWN PR-3

Photoelectric type for still and movie cameras; calibrated in ASA speeds from .1 to 20,000; reads direct from $f/1$ to $f/45$, in EV numbers from 1 to 20, in Polaroid settings from 1 to 9; exposure times from 120 sec to

GOSSEN



LUNASIX

Cadmium-sulfide type; measures reflected and incident light; for ASA speeds of 6 to 25,000, and ASA degrees; for use with movie and still cameras; indicates f -stops from 1 to 90, shutter speeds from 8 hrs to 1/4,000 sec, EVS settings, 8-128 fps; one-hand dial; indicator needle lock; zero adjustment; reading from .016 to 32,000 foot candles. Price, \$63, incl. mercury battery and leather case.



PILOT

Photoelectric type; for artificial and daylight; measures reflected and incident light; calibrated in ASA speeds 6 to 6400, 60 to 1/1,000 sec, $f/1.4$ to $f/22$; for use with still and movie cameras; indicate f -stops, LVS settings, shutter speeds; reads by one-hand dial; zero adjustment; built-in diffuser can be changed from incident to reflected light by flip of the finger; special sky baffle; large scale. Price, \$17.90, includes case and neckstrap; shoe clip, 60 cents.



SIXTOMAT X2

Measures reflected and incident light; calibrated in ASA speeds from 6 to 1600; reads in *f*-stops, from 1/1.4 to 1/22 LVS, ASA progressive speed scales; shutter-speed range, 5 1/2 min to 1/1000 sec; high- and low-light levels; triple cross-hair measuring system reads fractional *f*-stops. Price, \$22.50, incl. neck chain; leather zipper case, \$3.10.



TRI-LUX C FOOT CANDLE METER

Photoelectric type for still and movie cameras; measures incident light; calibrated in foot candles; selector for three brightness ranges, 0-600 ft cdl. and with 20X multiplier attachment, three additional ranges up to 12,000 ft cdl. Price, with leather ready case and strap, \$79.50.

DIST., Kling Photo Corp.

HONEYWELL PENTAX



CLIP-ON

Photoelectric cadmium-sulfide type; measures reflected light; for ASA speeds of 6 to 1600; for still cameras;

indicates *f*-stops and shutter speeds; direct reading; zero adjustment; built-in booster; couples to shutter-speed dial of Pentax H-1, H-3, and H-3V cameras; measures 40-degree angle. Price, \$32.50, incl. case and battery.



3°/21° METER

Photoelectric cadmium-sulfide type; measures reflected light; for ASA speeds of 3 to 6400; for still cameras, and movie cameras by conversion; indicates *f*-stops and shutter speeds; reads by conversion scale; zero adjustment; operates on reflex principle; measures 3-degree angle, has 21-degree angle of view; battery check. Price, \$99.50, incl. case and three batteries.

DIST., Honeywell Photographic Products

HORVEX



MODEL 3

Photoelectric-type for still and movie cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA speeds from 3 to 1,600, also DIN and EV settings; reads direct for *f*-stops, shutter speeds, or fps settings; reads by conversion scale; zero adjustment; accessory booster available. Price, including carrying chain and incident-light attachment, \$15.90. Accessories include case, \$2.70; booster, \$6.30; booster case, \$1.95.

DIST., E. Leitz, Inc.

IKOPHOT

RAPID

Photoelectric type for still and motion pictures; for daylight and artificial light; measures reflected and incident light; ASA calibration of linear shutter and cine speeds with light value scale; one-hand operation; ivory plastic construction,



Price, with ready case, incident light attachment, and metal wrist cord, \$19.95.

DIST., Carl Zeiss, Inc.

IMPERIAL



CDS VIEWFINDER

Photoelectric type for use with still and movie cameras; for daylight and artificial light; measures reflected light; calibrated in ASA film speeds from 6 to 12,000; indicates *f*-stops, LVS or EVS settings, Polaroid settings, shutter speeds, and fps settings; reads by conversion scale; indicator-needle lock; zero adjustment; built-in bright-level mask; high-low scale; battery check; off position. Price, including case and strap, \$25.

DIST., Samigon Corp.

KALIMAR



AUTO-DIAL

Photo-electric; lock holds reading; calibrated for film speeds up to 25,000; reads reflected and incident light; EVS settings, 1 to 19; shows lens apertures from 1/1 to 1/32; reads direct in movie camera speeds from 8 to 64 fps; slip-on incident light attachment; zero adjustment screw. Price, with leather carrying case and neck strap with clip, \$12.95.

continued on next page

EXPOSURE METERS

continued



A-1

Photoelectric type for still and movie cameras; measures reflected and incident light; calibrated in ASA speeds from 3 to 3200, with LVS and Polaroid readings; reads from $f/1$ to $f/32$; exposure times (in full stops) from 60 sec to $1/1000$ sec; accepts a booster cell. Price, with incident light attachment, \$6.95; leather case and neck chain, \$2; 64X booster cell, \$3.50.



CDS-430

Cadmium-sulfide type for use with still and movie cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA speeds from 6 to 12,000; reads f -stops, LVS, or EVS and exposure times from 8 to $1/1,000$ sec; reads direct; indicator needle lock; zero adjustment; calibrated for color or black-and-white. Price, including mercury battery and leather carrying case, \$14.95.



CLIP-ON NO. 35

Photoelectric type for still and movie cameras; measures reflected and incident light; calibrated in LVS, Polaroid, and ASA speeds from 6 to 3200; reads direct from $f/1$ to $f/22$; exposure times from 30 sec to $1/1000$ sec; exposure progress by full stops; fits camera accessory shoe. Price, \$6.95; leather case, \$2; 32X booster, \$3.50.

MFR., Kalimar Inc.

KINOX

BOOSTER METER

Photoelectric type; measures reflected light; calibrated in ASA speeds from 6 to 800; reads direct from $f/1$ to $f/32$; exposure times from 4 to $1/1,000$ sec; built-in booster. Price, including booster cell and case, \$9.95.

CDS C-1

Cadmium-sulfide clip-on type for still cameras; calibrated in ASA speeds from 10 to 6,400; reads direct from $f/1$ to $f/22$ and EV settings from 1 to 20; exposure times from 30 to $1/2,000$ sec; one-hand dial; reads direct; zero adjustment. Price, \$9.95. Case, \$1.



CDS SUPER AUTOMAT

Cadmium-sulfide type for use with still and movie cameras; measures reflected and incident light; calibrated in ASA speeds from 3 to 12,800; EV settings from 0 to 18; reads direct from $f/1$ to $f/32$; exposure times from 1 to $1/1,000$ sec (indicated in two colors); fps settings from 8 to 63; one-hand dial; reads direct; zero adjustment; built-in bright-level mask; built-in battery checker; mercury battery. Price, \$19.95; case, \$1. Incident-light attachment available.



KINOX B

Measures reflected light; calibrated in ASA speeds from 3 to 3,200, DIN system from 9 to 30; aperture range from $f/1$ to $f/45$; shutter speeds from $1/1000$ to 8 sec; LVS numbers; movie speeds from 8 to 16 fps; zero adjustment; adjustable shoe. Price, \$6.95, incl. case and cord.

KINOX MODEL III

Photoelectric type for still and movie cameras; measures reflected light; calibrated in ASA speeds from 3 to 1,600, LVS, DIN system; exposure times from 8 sec to $1/1000$ sec. Price, with neck band and leather cases, \$8.95.

DIST., Kine Camera Co., Inc.

KODAK

MASTER PHOTOGUIDE

Pocket-sized 32-page booklet; dial computers for still photography; direct reading dials for ASA calibrated units; includes also brief text of practical data on exposure, filters, depth of field, use of Kodak Portra and Telek lenses, and other essentials of general and specific application under wide range of conditions. Price, \$1.95.

SNAPSHOT DIAL

Pocket-sized four-page card with two dials; for still pictures by daylight or artificial light; reads direct for Kodak film and flashbulb combinations. Price, 25 cents.

MFR., Eastman Kodak Co.

KONICA

CDS

Couples to shutter-speed dial on Konica FP or FS cameras to provide automatic exposure control; built-in battery tester; calibrated in ASA film speeds from 6 to 3,200; reads direct for exposure times from $1/1,000$ sec, and from $f/1.4$ to $f/16$; 40-degree angle of coverage. Price, including case, \$32.50.

DIST., Konica Camera Co.

KOPIL



CDS CLIP-ON

Cadmium-sulfide type for daylight and artificial light; measures reflected and incident light; calibrated for ASA film speeds from 6 to 3,200, EVS from 0 to 18; reads from $f/1$ to $f/45$ and exposure times from 30 to $1/2,000$ sec; reads by conversion scale; zero adjustment; built-in booster; 250:1 sensitivity ratio; built-in battery check. Price, including case and battery, \$19.95.

MFR., Accura, Ltd.

LEITZ



LEICA-METER 3

Photoelectric type for use with still or movie cameras; for daylight and

tungsten light; measures reflected and incident light; calibrated in full stops from $f/1.4$ to $f/22$; calibrated in ASA and DIN systems, (ASA speeds from 10 to 1000); computes automatically; with booster cell from 40 to 1/1000 sec; clips on cameras having Leica-type accessory clip; adjustable shoe; weighs 1 1/2 oz. Price, incl. carrying case, booster light cell, \$25.50.



LEICA MR

CdS type couples to shutter-speed dial of Leica M-2 and M-3 cameras; for daylight and artificial light; measures reflected light; calibrated in ASA film speeds from 6 to 3,200 and DIN; indicates f -stops from $f/1.4$ to $f/16$, shutter speeds from 1 to 1/1,000 sec; reads direct; pointer lock; high and low light scales. Price, including Mallory PX13 cell, \$48.



METRASTAR

Cadmium-sulfide type for still and movie cameras; measures reflected light and incident light with converter; for daylight and artificial light; calibrated in ASA speeds from 3 to 12,500, DIN from 6 to 42; reads direct in f -stops from 1 to 45, shutter speeds from 1/4,000 sec to 8 hours, fps settings, 8, 16, 32, and 64; waist-level viewfinder; indicator needle lock; zero adjustment; battery-strength indicator; 18-degree measuring angle. Price, with leather ready case and neck chain, \$66.

DIST., E. Leitz, Inc.

MAMIYA

CLIP-ON

Photoelectric type for daylight; measures reflected and incident light; couples to shutter dial of Mamiya SLR; calibrated in ASA film speeds from 6 to 1,600; reads direct for f -stops and shutter speeds.

DIST., Olden Camera Co.

METRAPHOT

MODEL 3

Photoelectric, cell type for still pictures; for daylight and tungsten light; measures reflected and incident light (with opal plate attached); reads direct from $f/1.4$ to $f/22$ in full stops; calibrated in ASA, DIN, and with the new light value scales (in red figures) for film speeds from 10-1000 ASA; exposure times from 2 minutes to 1/1000 sec; color sensitive photocell with shock absorbing mechanism; extremely small and lightweight. Price, incl. leather case, \$19.50; with supersensitive element, \$25.50.

DIST., Karl Heitz, Inc.

MIRANDA



CADIUS

Cadmium-sulfide type for use with still and movie cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA film scale from 6/1° to 12,000/12° EVS from -6 to +22; also DIN; reads direct from $f/1$ to $f/90$, exposure times from 8 hr to 1/4,000 sec, and fps settings from 8 to 128; one-hand dial; indicator-needle lock; zero adjustment; built-in neutral density filter; built-in booster; reflex viewfinder for precise area reading; single-button operation; foot-candle conversion scale. Price including leather ready case and neck strap, \$44.95.

DIST., Allied Impex Corp.

POLAROID



EXPOSURE METER 625

For use with standard, non-electric-eye model Polaroid Land cameras and most conventional cameras with EV settings; operates with film speeds 12 to 12,000; clips to camera; wide range for brightest outdoor scene and dim interiors; reads shutter settings directly, without calculators.

MFR., Polaroid Corp.

S and M



3A

Photoelectric type for still and movie cameras; measures reflected light; covers four ranges from bright sunlight to darkroom enlarging exposure; computes in EV, EVS, LV and movie settings; probe is 5/8 in. in diameter; can be used to read light on groundglass of view, press and most reflex cameras under average conditions; uses cadmium-sulfide light cells and mercury battery. Price, \$29.95, case, \$2.



A-3

Photoelectric type; includes battery test switch; 4 1/2-in. meter dial illuminated by built-in lamps powered by extra flashlight cells for night photography and darkroom use; computes in all film speeds, ASA-LV, EVS, and EV settings for color and available light photography, copy work, photomicrography via reflection readings, and groundglass reading on press, view, and reflex cameras. Price, with guarantee, \$41.95.

DIST., Olden Camera Co.

SAVOY



MODEL 801

Photoelectric type for still and movie cameras; for daylight and artificial light; measures reflected light; calibrated in ASA speeds from 10 to 3000; indicates f -stops from 1 to 22; indicates LVS or EVS settings from 0 to 16, shutter speeds from 8 to 1/2,000 sec, fps settings from 12 to 64; one-hand dial; zero adjustment; CdS electric eye; sapphire movement; on-off switch; shock proof. Price, including case, neck strap, battery, and gift box, \$15.95.

continued on next page

EXPOSURE METERS

continued



MODEL 800

Similar to Model 801 but with built-in bright-level mask with high-low switch; viewfinder. Price, with case, neck strap, battery, and gift box, \$18.97.

DIST., Hornstein Inc.

SEKONIC



CADMIUM SULPHIDE MICRO-LEADER L-98

Cadmium-sulfide type for still and movie cameras; measures reflected light; calibrated in ASA film speeds from 6 to 12,000, LVS from -2 to 19; reads direct from f/1 to f/32 and exposure times from 8 to 1/2,000 sec; for movies reads from f/1 to f/32; fps from 8 to 64; high- and low-light-level switch; push-button operated; mercury battery; built-in battery test switch. Price, with neck cord and carrying case, \$24.95.



CDS MICRO-METER L-136

Cadmium-sulfide-type miniature meter fits into accessory shoe of any standard camera; measures reflected and incident light; calibrated in ASA film speeds up to 12,000, and EVS from 3 to 18; selector dial for high- or low-light levels; push-button operated; long-life accuracy with mercury battery; built-in battery test switch. Price, \$21.95.

SUPER MICROLITE L-96

Cadmium-sulfide type; measures reflected and incident light; calibrated



for ASA speeds from 6 to 12,000 and ASA degrees 1 to 120; indicates shutter speeds from 8 min. to 1/4,000 sec, and fps from 8 to 125; push-button, follow-pointer operation; high/low brightness range; incident-light Photosphere slides into position; zero adjustment; built-in battery check. Price, including case, separate plug-in night light, and two mercury batteries, \$54.95.



L-28 STUDIO

Photoelectric type for still and movie cameras; measures reflected and incident light; calibrated in ASA speeds from 6 to 12,000; reads direct from f/1 to f/45; conventional, LVS, fps, and Polaroid settings; American and European shutter calibrations. Price, \$32.50, with three direct-reading slides and attachments, case.



AUTO-LUMI L-86

Photoelectric type; for artificial and daylight exposures; measures reflected light; calibrated in ASA speeds 6 to 12,000; for use with still and movie cameras; indicates f-stops, 1 to 22, LVS settings, 2 to 19, shutter speeds 8 to 1/2,000 sec, DIN 3 to 42; one-hand dial; indicator-needle lock; zero adjustment; auto-guide indicator permits fast, accurate readings; one-hand operation. Price, \$8.95, includes case and neck cord.



L-38

Photoelectric type for still and movie cameras and flash exposures; measures reflected and incident light; reads from f/1 to f/32; exposure time from 8 to 1/1000 sec; ASA speeds from 6 to 12,000; hinged flip-up booster; auto-guide indicator permits fast, direct readings; measures bright, dull, and dim light separately. Price, with case, \$13.95.



CLIP-ON LC-2

Photoelectric type for still and movie cameras and for flash exposures; measures reflected and incident light; attaches to camera accessory shoe; calibrated in ASA speeds from 6 to 3200; reads in half stops from f/1 to f/32; exposure times from 4 sec to 1/1000 sec; LVS numbers from 2 to 19. Price, with case, \$10.95.



MOVIE METER

Photoelectric type; for artificial and daylight exposures; measures reflected light; calibrated in emulsion speeds 10 to 40; indicates f-stops, 1.4 to 22, 16 fps settings; conversion chart gives other fps settings; reads direct; one-hand dial; indicator-needle lock; zero adjustment; 5 ASA dials for 10, 16, 20, 25, 32, 40 positioned in window for reading by turning dial selection knob; zero centering adjustment. Price, \$5.95, includes case and neck cord.

DIST., Scopus, Inc.

SHUTTERBUG

PHOTO CALCULATOR

Slide-rule type; for daylight, artificial light, and flash exposures; calibrated in ASA speeds of 8 to 400; indicates f-stops, shutter speeds; reads direct and conversion; divides guide numbers for flash by distance; gives close-up data including effect, magnification, and exposure factor; gives shutter speeds required to stop motion, floodlight exposures; depth of field scale; filter factors; filter correction calculations. Price, \$2, pocket case included.

DIST., Gibson's



to 1/1000 sec. Price, with case, \$4.98. Booster cell and direct reading attachment available.

SPECTRA



COMBI-500

Photoelectric type for still and movie cameras; combines both a selenium cell and a CdS cell; for daylight and artificial light; measures incident light; calibrated in ASA speeds from .1 to 32,000; indicates f-stops from 5 to 45, shutter speeds from 1/4,000 sec to 8 hr; EVS and fps settings; one-hand dial, built-in booster; battery operated for very low light conditions. Price, \$127.50; many accessories available.



CDS

Cadmium-sulfide type for still and movie cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA film speeds from 10 to 3,200, also in LVS and EVS settings; reads direct for f-stops and exposure times; one-hand dial; zero adjustment; high-low scale; single high-low sensitivity switch yields 125:1 ratio with automatic return to off position; may be hand-held or mounted on camera accessory shoe. Price, \$8.95; case and neck strap, \$1.



CDS-DR

Same as CDS, but with dual-range telephoto reading attachment which fits over front of cell; special scale for moderate and long telephoto-lens reading. Price, including battery, case, and strap, \$15.95.

DIST., Spiratone, Inc.



PROFESSIONAL

Photosphere integrates incident light on large selenium cell; 13 slides give direct f-stop readings 13 ASA speeds; shutter speed settings; from 120 sec to 1/1,200 sec; Photodisk rates contrast; Photogrid measures brightness. Price, with case, \$97.50.

MFR., Photo Research Corp.

SPIRATONE

For still cameras; measures reflected and incident light; calibrated in ASA speeds from 3 to 3200; reads direct (for most popular films) from f/1 to f/32; exposure progress in full stops; exposure times from 16 sec

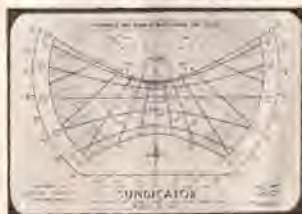


Chart for finding best times of day to photograph outdoor subjects;

gives position of sun, direction of light throughout the year. Price, 50 cents.

MFR., B. B. Crocker

THOMAS



STROBEMETER MODEL 1-B

For electronic flash exposures; reads directly in f-stops from f/2 to f/64, accurate to 1/10 stop; measures incident light; provision for groundglass reading; calibrated in ASA speeds from 6.5 to 500; indicator needle lock; zero adjustment; can also be used to calculate lighting ratios and bellows extension. Price, \$275 with case and cords. Battery pack, probe, and integrating hemisphere available as accessories.

MFR., Thomas Instrument Co., Inc.

WESTON



MASTER V

For still and movie cameras; universal type; for daylight, artificial light, and flash exposures; measures reflected and incident light; calibrated in ASA speeds from .1 to 16,000; indicates f-stops from 1 to 32; also DIN, LVS, or EVS settings; shutter speeds from 1 to 1/1,200 sec; one-hand dial; indicator-needle lock; built-in bright-level mask; zero adjustment corrector; spring-suspended jewel movement; extension of range possible. Price, with incident-light converter, leather case, \$37.

MFR., Weston Instruments, Inc.

EXPOSURE METERS

continued

YASHICA



YEM-15

Photoelectric type for use with still cameras; for daylight and artificial light; measures reflected light; calibrated in ASA film speeds from 10 to 800 and DIN; indicates *f*-stops from 1.4 to 32; one-hand dial; reads direct; zero adjustment. Price, including leather case, under \$7.50.

YEM-35

Photoelectric type for still cameras; for daylight and artificial light; measures reflected light; calibrated in ASA speeds from 6 to 12,000 and DIN; indicates *f*-stops from 1 to 32, EVS settings 3 to 17; shutter speeds from 8 to 1/1,000 sec; one-hand dial; indicator-needle lock; zero adjust-



ment powered by 1.4-volt mercury battery. Price, including leather case, under \$15.



YEM-45

Cadmium-sulfide type for use with still cameras; for daylight and artificial light; measures reflected and incident light; calibrated in ASA film speeds from 3 to 6,400 and DIN; indicates *f*-stops from 0.7 to 32, EVS

settings from 0 to 17; shutter speeds from 15 to 1/2,000 sec; reads by conversion scale; one-hand dial; zero adjustment; built-in booster; removable incident-light hemisphere; removable accessory clip for mounting on camera accessory shoe. Price, including soft leather case, neck strap, battery, and accessory shoe bracket, under \$23.



YEM-55

Cadmium-sulfide type for use with still and movie cameras; for daylight and artificial light; measures reflected light; calibrated in ASA film speeds from 3 to 12,000 and DIN; indicates *f*-stops from 1 to 32, EVS settings from 0 to 19, shutter speeds from 60 to 1/2,000 sec, and fps settings 8, 16, 32, 64; reads by conversion scale; one-hand dial; zero adjustment; built-in booster; on-off switch; high and low stages for varying conditions; battery checker. Price, including carrying cord, mercury cell, and padded leather zipper case, under \$25.

DIST., Yashica, Inc.

COLOR TEMPERATURE METERS

GOSSEN



SIXTICOLOR

Indoor and outdoor; reads from 2600 K to 20,000 K; blue and red correction filter scales calibrated in Micro Reciprocal Degrees (Decamired); conversion table for conventional filters; one-hand operation; meter can be preset for any type of color film; color-temperature reading is locked in and automatically indicates filter necessary for color correction. Price, with neck chain and leather case, \$47.50.

DIST., Kling Photo Corp.



tric bridge with 2 photoelectric cells; cells covered by blue and red filters coupled to micro-ammeter with needle; direct mechanical reading from light source; direct readings for Kodak color films. Price, \$49.95.

DIST., Karl Heitz, Inc.



able aperture meter measures the proportionate amounts of all three primary colors present in light source and indicates the filter necessary for positive color correction. Price, \$331.25.

REBIKOFF

Indoor and outdoor; reads degrees Kelvin, from 2000 K to 10000 K; elec-

SPECTRA

3 COLOR METER

Designed for indoor and outdoor use; calibrated in Spectra Distribution Index units; also has Kelvin degrees scale; aluminum construction; adjust-

2 COLOR METER

Same appearance as other meter but measures Kelvin degrees only on expanded scale. Price, \$316.25.

MFR., Photo Research Corp.

MANUFACTURERS & DISTRIBUTORS

ADDRESS LIST

A

Accura, Ltd., 708 Byron Ave., Franklin Square, N. Y.
 Aetna Optix, 350 W. 31st St., New York, N. Y. 10001.
 A. G. Photo Distributors, 373 Washington St., Boston 8, Mass.
 Agfa Inc., Rockleigh, N. J. 07647.
 Agof-Schacht Lens Corp., 160 Fifth Ave., New York, N. Y. 10010.
 Aids, Inc., 927 Orangethorpe Park, Anaheim, Calif.
 Alreiquit Manufacturing Co., Inc., 20 Jones St., New Rochelle, N. Y. 10802.
 Allied Impex Corp., 300 Park Ave. S., New York, N. Y. 10010.
 Alloy Sales Corp., 274 Madison Ave., New York, N. Y. 10016.
 American Elite, Inc., 48-50 34th St., Long Island City, N. Y. 11101.
 American Geloso Electronics, Inc., 251 Park Ave. S., New York, N. Y. 10010.
 American Speedlight Corp., 63-01 Metropolitan Ave., Middle Village 79, N. Y.
 Anglo Corporation, 4333 N. Ravenswood Ave., Chicago, Ill. 60613.
 Ampex Corp., 401 Broadway, Redwood City, Calif.
 Anso Products, General Aniline & Film Corp., Vestal Parkway E., Binghamton, N. Y.
 Arel Inc., 4916 Shaw Ave., St. Louis, Mo. 63110.
 Argraph Corp., 151 W. 19th St., New York, N. Y. 10011.
 Argus Incorporated, 5950 Touhy Ave., Chicago, Ill. 60648.
 Aristo Grid Lamp Products, Inc., 65 Harbor Rd., Port Washington, L. I., N. Y.
 Arriflex Corp. of America, 257 Park Ave. S., New York, N. Y. 10010.
 Arvin Industries, Inc., 1512 Thirteenth St., Columbus, Ind.
 Atlas Films, Inc., 13-15 W. 28th St., New York, N. Y. 10001.
 A-to-Z Movie Accessories, 175 Fifth Ave., New York, N. Y. 10010.
 Avant Inc., Box 88, Concord, Mass.

B

Baco Accessories Co., 5334 Hollywood Blvd., Hollywood, Calif. 90027.
 Baer, Walter N., 741 State St., Lancaster, Pa.
 Baia Corp., 9353 Lee Rd., R7, Jackson, Mich. 49201.
 Baptista Films, 434 Sunnyside Ave., Wheaton, Ill. 60188.
 Bausch & Lomb, Incorporated, 635 St. Paul St., Rochester 2, N. Y.
 Beattie-Coleman, Inc., 1000 N. Olive St., Anaheim, Calif. 92803.
 Bell & Howell Co., 7100 McCormick Rd., Chicago, Ill. 60645.
 Beseler Co., Charles, 219 S. 18th St., E. Orange, N. J. 07018.
 Birns & Sawyer Cine Equip., 6424 Santa Monica Blvd., Los Angeles, Calif. 90038.
 Bogen Photo Corp., 28 School St., Yonkers, N. Y.
 Bohm & Co., H. A., 3525 W. Peterson Ave., Chicago, Ill. 60645.
 Bolsey Research and Development, 791 Central Ave., Scarsdale, N. Y.
 Borca Photo Studios, Crossroads Center, Boulder, Colo.
 Bower, Saul, Inc., 114 Liberty St., New York, N. Y. 10006.
 Brand Camera Co., 907 S. Victory Blvd., Burbank, Calif.
 Bronica, Div. Ehrenreich Photo-Optical Industries, Inc., 111 Fifth Ave., New York, N. Y. 10003.
 Brooks Inc., Burleigh, 420 Grand Ave., Englewood, N. J. 07631.

Brown Co., A. T., 216 Bouchard Ave., Dracut, Mass.
 Brumberger Co., Inc., 34 34th St., Brooklyn, N. Y. 11232.
 Buhl Optical Co., 1009 Beech Ave., Pittsburgh, Pa. 15233.
 Burke & James, Inc., 321 S. Wabash Ave., Chicago, Ill. 60604.
 Busch Camera, Inc., 850 W. Adams St., Chicago, Ill. 60607.
 Buttafarri, G. A., 452 Fifth Ave., New York, N. Y. 10018.

C

Callifone-Roberts Div., Rheem Mfg. Co., 5922 Bowcroft St., Los Angeles, Calif. 90016.
 Calumet Mfg. Co., 6550 N. Clark St., Chicago, Ill. 60626.
 Camera Optics Mfg. Corp., 23-53 Steinway St., Long Island City, N. Y. 11105.
 Camera Specialty Co., 705 Bronx River Rd., Bronxville 8, N. Y.
 Century Precision Optics, 10659 Burbank Blvd., N. Hollywood, Calif.
 Chancellor Electronics, Inc., 457 Chancellor Ave., Newark, N. J.
 Channel Master Corp., Ellenville, N. Y.
 Chemtrol Corp., 16 Dyke Lane, Stamford, Conn.
 Cinema Beaulieu, 921 Westwood Blvd., Los Angeles, Calif. 90024.
 Columbia Records Sales Corp., 799 Seventh Ave., New York, N. Y. 10019.
 Compco Corporation, 1800 N. Spaulding Ave., Chicago, Ill. 60647.
 Concord Electronics Corp., 809 N. Cahuenga Blvd., Los Angeles, Calif. 90038.
 Concertone, 9731 Factorial Way, South El Monte, Calif. 91733.
 Continental Merchandise, Inc., 236 Fifth Ave., New York, N. Y. 10001.
 Cord Electronics Co., P. O. Box 13, Bergenfield, N. J.
 Craig Panorama Inc., 3412 S. La Cienega Blvd., Los Angeles, Calif. 90016.
 Crocker, B. B., 86 Dean Road, Brookline 46, Mass.

D

Dage-Bell Corp., 6325 Huntley Rd., Columbus, Ohio 43224.
 Dan-Bar Co., 209 Seeley St., Brooklyn, N. Y. 11218.
 Deane, L. Earl, 14414 Detroit Ave., Lakewood, Ohio 44107.
 DeAngelo, Michael, 146-29 Laburnum Ave., Flushing 55, N. Y.
 Deardorff & Sons, L. F., Inc., 11 S. Des Plaines St., Chicago, Ill. 60606.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City, N. Y. 11101.
 Denson Electronics Corp., Longview St., Rockville, Conn.
 DuKane Corp., 110 N. 11 Ave., St. Charles, Ill.
 DuPage Metal Products, Inc., 211 S. Main St., Lombard, Ill.
 Du Pont de Nemours & Co., E. I., Photo Products Div., 1007 Market St., Wilmington, Del. 19898.
 Durst, U.S.A., Inc., 37-14 48th Ave., Long Island City, N. Y. 11101.
 Dynachrome—See Dynacolor Corp.
 Dynacolor Corp., Subsidiary of 3M Co., 1999 Mt. Read Blvd., Rochester, N. Y. 14615.

E

Eastman Kodak Co., 343 State St., Rochester, N. Y. 14650.
Edixa Camera Co., 110 Springer Ave., Yonkers, N. Y.
Emerson Radio Inc., 680 Fifth Ave., New York, N. Y. 10019.
EPOI International Ltd., subsidiary of Ehrenreich Photo-Optical Industries, Inc., 111 Fifth Ave., New York, N. Y. 10003.
Ercona Corp., 432 Park Ave. S., New York, N. Y. 10016.
Eso-S, Inc., 47th & Holly, Kansas City 12, Mo.
Estey Electronics, Inc., 201 W. John St., Hicksville, L. I., N. Y. 11802.
Exakta Camera Co., Inc., 705 Bronx River Rd., Bronxville 8, N. Y.

F

Fairchild Camera & Instrument Corp., 221 Fairchild Ave., Plainview, L. I., N. Y.
F&B/Ceco, Inc., 315 W. 43rd St., New York, N. Y. 10036.
Fanon Electronic Industries, Inc., 439 Frelinghuysen Ave., Newark, N. J. 07114.
Fotochrome, Inc., 45-20 33rd St., Long Island City, N. Y. 11101.
Fotomatic Corp., P. O. Box 2215, Indianapolis 22, Ind.
FR Corp., The, 951 Brook Ave., Bronx, N. Y. 10451.
Freeman Div., Standard Industries Inc., 733 N. Highland Ave., Los Angeles, Calif. 90038.
Fuji Photo Optical Products, Inc., Div. Ehrenreich Photo-Optical Industries, Inc., 111 Fifth Ave., New York, N. Y. 10003.
Fujiya Corp., Ltd., 45 W. 21st St., New York, N. Y. 10010.

G

Geiss-America, 6424 N. Western Ave., Chicago, Ill. 60645.
General Electric Co., Instrument Div., 40 Federal St., West Lynn 3, Mass.
General Photographic Supply Co., 307 Cambridge St., Boston, Mass. 02114.
Gibson's, 188 King St., East Aurora, N. Y.
GM Photoelectronics, 623 S. Gay St., Knoxville 2, Tenn.
Gowlandflex Camera Co., 609 Hightree Rd., Santa Monica, Calif.
Graflex, Inc., 3750 Monroe Ave., Rochester, N. Y. 14603.
Gregory Magnetic Industries, P. O. Box 10196, Ft. Lauderdale, Fla. 33305.

H

Harrison Marketing Corp., 287 Post Ave., Westbury, L. I., N. Y.
Harwood Electronics Co., 466 W. Superior St., Chicago, Ill. 60610.
Heath Co., Div. Daystrom, Inc., Benton Harbor, Mich. 49023.
Hehn-Engineering, Lester C., 30 Manorhaven Blvd., Port Washington, N. Y.
Heitz, Inc., Karl, 979 Third Ave., New York, N. Y. 10022.
Hershey Electronics Inc., P. O. Box 73, Lockport, Ill.
Hico Corp., 76 Coolidge Hill Rd., Watertown 72, Mass.
Hollywood Camera Co., 6838 Sunset Blvd., Hollywood, Calif. 90028.
Hollywood Cine Products Co., P. O. Box 366, Lakeland Village, Elsinore, Calif.
Honeywell Photographic Products, 4800 E. Dry Creek Rd., Denver 10, Colo.

Hornstein, Inc., 320 W. Ohio St., Chicago, Ill. 60610.
Hudson Photographic Industries, Inc., 2 Buckhout St., Irvington-on-Hudson, N. Y.

I

Iford, Inc., 37 W. 65th St., New York, N. Y. 10023.
Imperial Camera Corp., 421 N. Western Ave., Chicago, Ill. 60612.
Intercontinental Marketing Corp., 45-17 Pearson St., Long Island City, N. Y. 11101.
Inter-Mark Corp., 29 W. 36th St., New York, N. Y. 10018.
Interstate Photo Supply Corp., 300 Park Ave. S., New York, N. Y. 10010.
Interphoto Corp., 45-17 Pearson St., Long Island City, N. Y. 11101.

K

Kalart/Victor Co., Inc., The, Plainville, Conn.
Kalimar, Inc., 2644 Michigan Ave., St. Louis, Mo. 63118.
Kenco, 909 Milwaukee Ave., Burlington, Wis. 53105.
Keystone Camera Co., Inc., Hallett Sq., Boston, Mass. 02124.
Kimac Co., The, Old Greenwich, Conn.
Kine Camera Co., Inc., 889 Broadway, New York, N. Y. 10003.
King-Regula, Inc., 153 Daboll St., Providence, R. I. 02907.
Kin-O-Lux, Inc., 17 W. 45th St., New York 36, N. Y.
Kling Photo Corp., 257 Park Ave. S., New York, N. Y. 10010.
Komura, Div. EPOI International, Ltd., 111 Fifth Ave., New York, N. Y. 10003.
Konica Camera Co., 404 Park Ave. S., New York, N. Y. 10016.

L

La Belle Industries, 510 S. Worthington St., Oconomowoc, Wis. 53066.
Lafayette Radio Electronics Corp., 111 Jericho Turnpike, Syosset, L. I., N. Y.
Leitz E., Inc., 468 Park Ave. S., New York, N. Y. 10016.
Lightning-Life Co., 14414 Detroit Ave., Lakewood, Ohio 44107.
Lloyd Ultrasonic Corp., 30 W. 23rd St., New York, N. Y. 10010.
Lott Mfg. Co., 1909 S. Kingshighway, St. Louis, Mo. 63110.
Lucor Electronics Inc., 22-20 40th Ave., Long Island City, N. Y. 11101.
Luminos Photo Corp., 25 Wolfe St., Yonkers, N. Y. 10705.

M

Magnagraphics Co. of America, Box 1066, 8705 Remmet Ave., Canoga Park, Calif. 91304.
Magnecord Div., Midwestern Instruments, Inc., P. O. Box 7509, Tulsa, Okla. 74105.
Magniphotograph Corp., 17 E. 17th St., New York, N. Y. 10003.
Mako Products, 2931 N.E. 2nd Ave. E., Miami 37, Fla.
Mamiya, Div. Ehrenreich Photo-Optical Industries, Inc., 111 Fifth Ave., New York, N. Y. 10010.
Manhattan Novelty Corp., 263 Canal St., New York, N. Y. 10013.

Mansfield Holiday, 5950 Touhy Ave., Chicago, Ill. 60648.
 Martel Electronics Sales, Inc., 2356 S. Cotner, Los Angeles, Calif. 90064.
 Masel Supply Co., 442 Broadway, New York, N. Y. 10013.
 McClure Projectors, Inc., P. O. Box 1338, Evanston, Ill.
 McManus Projects, T. A. Box 3644, Los Angeles 54, Calif.
 Mervap Cold Light Products, 3513 Venice Blvd., Los Angeles 19, Calif.
 Micro Record Corp., 487 South Ave., Beacon, N. Y.
 Minneapolis-Honeywell, Helland Div., 4800 E. Dry Creek Rd., Denver 10, Colo.
 Minolta Corp., 200 Park Ave. S., New York, N. Y. 10003.
 Minox Corp., 70-49 Austin St., Forest Hills 75, N. Y.
 Minox Processing Labs, P. O. Box 94, Forest Hills 75, N. Y.
 Movievox Co., 1714 N. Main St., San Antonio, Texas 78212.
 Mundus Color Co., P. O. Box 156, Riverdale, Md.

N

Naren Industries, Inc., 2104 N. Orchard St., Chicago, Ill. 60614.
 National Cine Equip., Inc., 209 W. 48th St., New York, N. Y. 10036.
 Neumade Products Corp., 250 W. 57th St., New York, N. Y. 10019.
 Nikon Inc., Div. Ehrenreich Photo-Optical Industries, Inc., 111 Fifth Ave., New York, N. Y. 10003.
 North American Philips Co., Inc., 100 E. 42nd St., New York, N. Y. 10017.
 Nu-Photo Dist. Corp., 276 Park Ave. S., New York, N. Y. 10010.

O

Olden Camera & Lens Co., 1265 Broadway, New York, N. Y. 10001.

P

Pailard Inc., 1900 Lower Rd., Box 564, Linden, N. J. 07036.
 Pathe Products, Inc., 153 Daboll St., Providence, R. I. 02907.
 Perfect Photo, Inc., 4747 N. Broad St., Philadelphia, Pa. 19141.
 Perutz (see Brooks Inc., Burleigh)
 Petri-Kine Camera Co., 889 Broadway, New York, N. Y. 10003.
 Photo-Mart, 365 E. 193rd St., Bronx, N. Y. 10458.
 Photo Materials Co., 2450 Estes Ave., Elk Grove, Ill.
 Photo Research Corp., 837 N. Cahuenga Blvd., Hollywood, Calif. 90038.
 Polaroid Corp., 730 Main St., Cambridge 39, Mass.
 Ponder & Best, Inc., 814 N. Cole Ave., Hollywood, Calif. 90038.
 Prakti Camera Co., 705 Bronx River Rd., Bronxville 8, N. Y.
 Presentation Designers, 10 E. 49th St., New York, N. Y. 10017.
 Prominar International Corp., 1150 Broadway, New York, N. Y. 10001.

R

Rabinovits, Oscar M., 8310 Williams Ave., Philadelphia 50, Pa.
 RCA Sales Corp., 600 N. Sherman Dr., Indianapolis, Ind. 46201.
 Realist, Inc., N. 93 W/6288 Megal Dr., Menomonee Falls, Wis.

Revere Camera Co. (see Revere-Wollensak)
 Revere-Wollensak, Div. of the 3-M Company, 2501 Hudson Rd., St. Paul 19, Minn.
 Richmond Research Corp., 130-41 91st Ave., Richmond Hill 18, N. Y.
 Ricoh Industries, U.S.A., Inc., 432 Park Ave. S., New York, N. Y. 10016.
 Ries Camera Co., Inc., 6610 Santa Monica Blvd., Hollywood, Calif. 90038.
 Roberts Electronics, Inc., 5978 Bowcroft, Los Angeles, Calif. 90016.
 Roloc, Inc., 4217 W. North Ave., Milwaukee 8, Wis.

S

Samigon Corp., 153 W. 19th St., New York, N. Y. 10011.
 Sawyer's, Inc., Box 490, Portland, Ore. 97207.
 Scopis, Inc., 257 Park Ave. S., New York, N. Y. 10010.
 Sea Venture Products, P. O. Box 83, Inwood Station, New York, N. Y. 10034.
 Sears, Roebuck and Co., 925 S. Homan Ave., Chicago, Ill. 60607.
 Sekonic Inc., 460 Park Ave. S., New York 16, N. Y.
 Service Photo Industries, Inc., 30 Irving Pl., New York, N. Y. 10003.
 Seymour's Inc., 350 W. 31st St., New York, N. Y. 10001.
 Silver Bells Ltd., Box 982, Carmel, Calif.
 Simmon Omega, Inc., 257 Park Ave. S., New York, N. Y. 10010.
 Sinclair, Francis S., 272 Main St., Keene, N. H.
 Smith-Victor Corp., Lake & Colfax Sts., Griffith, Ind.
 S.O.S. Photo-Cine-Optics, Inc., 387 Park Ave. S., New York, N. Y. 10016.
 Speedlight Center, 102 Jericho Turnpike, Floral Park, L. I., N. Y.
 Speedotron Co., The, 6156 W. Higgins Ave., Chicago, Ill. 60630.
 Spiratone, Inc., 135-06 Northern Blvd., Flushing, N. Y. 11354.
 Stainless Products Co., 340 Fairbanks, N.E., Grand Rapids 3, Mich.
 Stanford International, 569 Laurel St., San Carlos, Calif.
 Stanley Plastic Prods., 3006 Blodgett, Houston 4, Tex.
 Sterling-Howard Corp., 25 Wolfe St., Yonkers, N. Y. 10705.
 Struhl Co., Joseph, Inc., 195 Atlantic Ave., New Hyde Park, L. I., N. Y.
 Stuart & Co., Inc., Matthew, 3650 Dyre Ave., Bronx, N. Y. 10466.
 Superior Bulk Film Co., 442-450 N. Wells St., Chicago, Ill. 60610.
 Superscope, Inc., Audio Electronics Div., 8150 Vine-land Ave., Sun Valley, Calif.
 Supreme Photo Supply Co., Inc., 1841 Broadway, New York, N. Y. 10023.
 Synchro-Sound (see DeAngelo, Michael)

T

Tandberg of America, Inc., 8 Third Ave., Pelham, N. Y.
 Technicolor Corp., 123 S. Hollywood Way, Burbank, Calif.
 Textrite Instrument Co., 135 Monroe St., Newark 5, N. J.
 Thepot, Yves A., P. O. Box 69902, Los Angeles, Calif. 90069.
 Thomas Instrument Co., 331 Park Ave. S., New York, N. Y. 10010.
 3-M Co. (Revere-Wollensak Div.), 2501 Hudson Rd., St. Paul 19, Minn.
 Toei Co., Ltd., 165 W. 46th St., New York, N. Y. 10036.

U

United Audio Products, 12 W. 18th St., New York, N. Y. 10011.
 United States Camera Corp., 17 N. Loomis St., Chicago, Ill. 60607.
 U. S. Divers Co., 3323 W. Warner Ave., Santa Ana, Calif.
 U. S. Projector & Electronics Corp., P. O. Box 35, Federal Way, Wash.

V

Vernon Audio, div. Vernon Photographic Corp., 144 E. Kingsbridge Rd., Mt. Vernon, N. Y.
 Vernon Photographic Corp., 144 E. Kingsbridge Rd., Mt. Vernon, N. Y.
 Victor Animatograph Corp., Div. of The Kalart Co., Inc., Plainville, Conn.
 Viewlex, Inc., Holbrook, L. I., N. Y.
 V-M Corp., 305 Territorial, Benton Harbor, Mich. 49203.

W

Wall St. Camera Exchange, 120 Wall St., New York, N. Y. 10005.
 Warman Precision Prods. Corp., 172 Madison Ave., New York, N. Y. 10016.
 Webcor, 5610 W. Bloomingdale Ave., Chicago, Ill. 60639.

Western Cine Service, Inc., 312 S. Pearl, Denver 9, Colo.
 Weston Instruments & Electronics, 614 Frelinghuysen Ave., Newark, N. J. 07114.
 Winkler-Airphotography, 2521 Northview Dr., South Bend, Ind. 46616.
 Wood, P. K., 702 W. 5th St., Azusa, Calif.

Y

Yankee Photo Prods., Inc., 3325 Union Pacific Ave., Los Angeles 23, Calif.
 Yashica, Inc., 50-17 Queens Blvd., Woodside, N. Y. 11377.

Z

Zeiss, Carl, Inc., 444 Fifth Ave., New York, N. Y. 10018.
 Zoomar International, Inc., 55 Sea Cliff Ave., Glen Cove, L. I., N. Y. 11542.

EQUIPMENT INDEX

The descriptions of products and supplies in this Directory are based on specifications supplied to us by the manufacturers or distributors, and are not intended to evaluate.

Address List—U. S. Manufacturers & Distributors... **61 C**

Cameras, Movie

8-mm Silent **18 B**
 8-mm Sound **30 B**
 16-mm Silent **30 B**

Cameras, Still

Box **8 A**
 Half-Frame 35 **23 A**
 Polaroid Land **46 A**
 Press & View **41 A**
 Roll- & Sheet-Film SLR, **34 A**
 Roll-Film (non-reflex) **8 A**
 Special **47 A**
 Stereo **46 A**
 Sub-35 **22 A**
 Subminiature **39 A**
 35-mm Rangefinder **11 A**
 35-mm SLR **25 A**
 Twin-Lens Reflex **35 A**

Color-Correction Filters

for Type B Color Films... **47 C**

Color Temperature Meters... **60 C**

Editing Equipment **35 B**

Electronic Flash Units... **52 A**

Enlargers **27 C**

Exposure Meters **52 C**

Films

Movie **48 C**
 Polaroid Land **43 C**
 Still, Black & White **39 C**
 Still, Color **44 C**

Filmstrip Projectors... **5 B, 6 B**

Filter Factors for

Panchromatic Films... **52 C**

Filters for Color... **46 C**

Flash Equipment

AG-1 Units **59 A**
 Standard **60 A**
 Electronic **52 A**
 Slave Units **64 A**
 Synchronizers **64 A**

Lenses

9.8-mm to 21-mm... **2 C**
 24-mm to 30-mm... **3 C**
 35-mm to 40-mm... **4 C**
 45-mm to 65-mm... **6 C**
 70-mm to 125-mm... **8 C**
 135-mm to 210-mm... **10 C**
 230-mm to 450-mm... **15 C**
 500-mm to 2,000-mm... **18 C**
 Dual Focal Length... **20 C**

Interchangeable Front

Component **20 C**
 Macro **22 C**
 Mirror Optics **22 C**
 Special Type **21 C**
 Zoom **20 C**

Light Meters **52 C**

Movie

Cameras **18 B**
 Editing Equipment **35 B**
 Films **48 C**
 Projectors
 8-mm Silent **43 B**
 8-mm Sound **47 B**
 16-mm Silent **48 B**
 16-mm Sound **49 B**

Sound Adaptations **51 B**

Titlers **33 B**

Polaroid Land Cameras... **46 A**

Projectors, Movie

8-mm Silent **43 B**
 8-mm Sound **47 B**
 16-mm Silent **48 B**
 16-mm Sound **49 B**

Projectors, Still

Half-Frame **5 B**
 Subminiature **5 B**
 Up to 2x2 & Filmstrip... **6 B**
 Up to 2 1/4x2 1/4 **13 B**
 Up to 3 1/4x4 **14 B**

Recorders, Tape **52 B**

Slave Units **64 A**

Slide Projectors **5 B**

Sound Projection

Attachments **51 B**
 Stereo Cameras **46 A**
 Still Films (B & W) **39 C**
 Color **44 C**
 Polaroid Land **43 C**

Strip-film Projectors... **5 B, 6 B**

Synchronizers, Flash **64 A**

Synchronizers, Sound **51 B**

Tape Recorders **52 B**

Titlers **33 B**